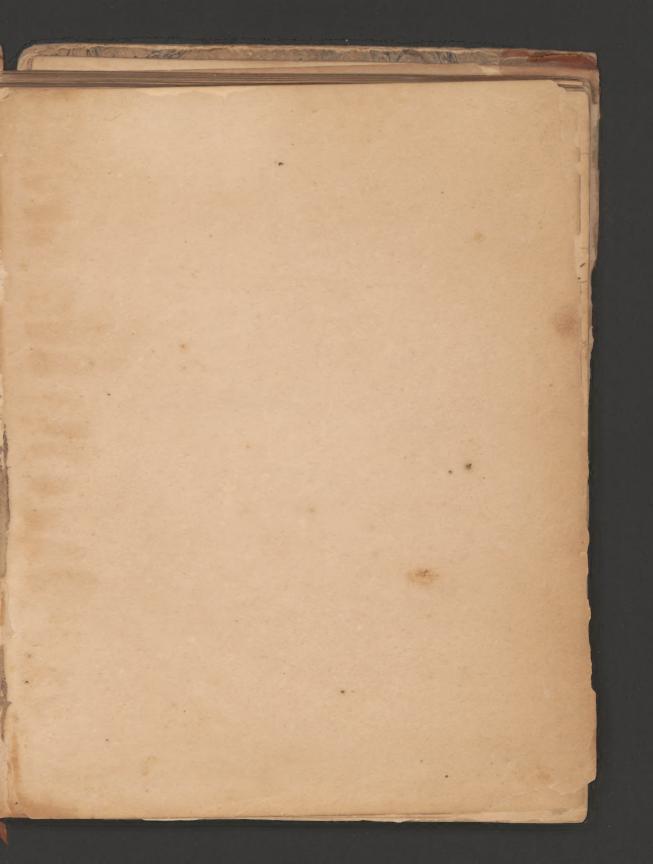
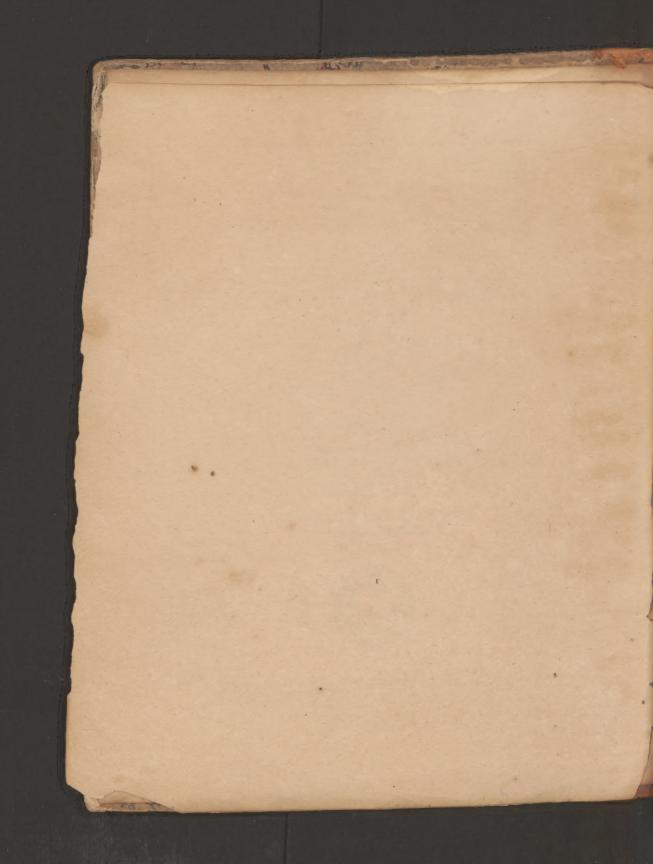


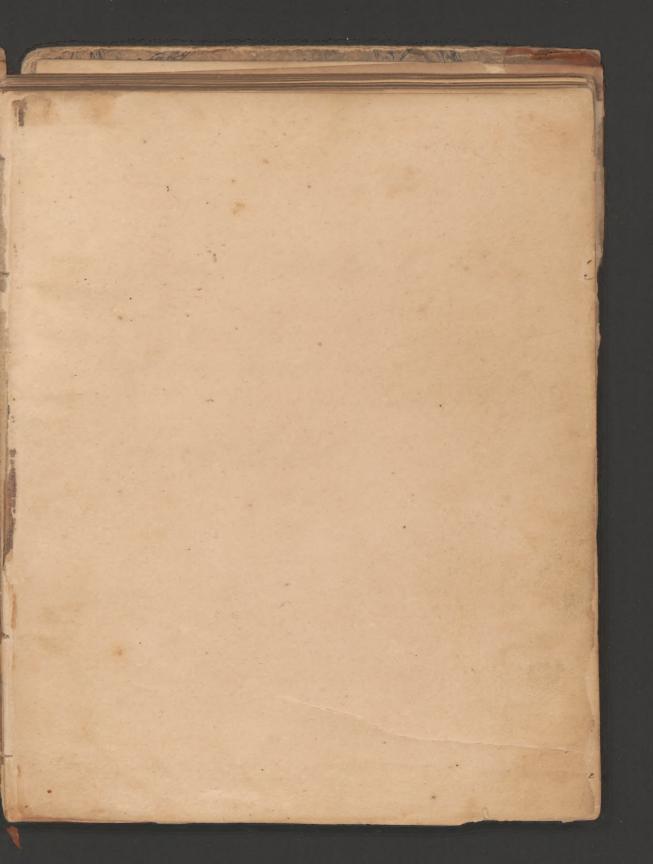
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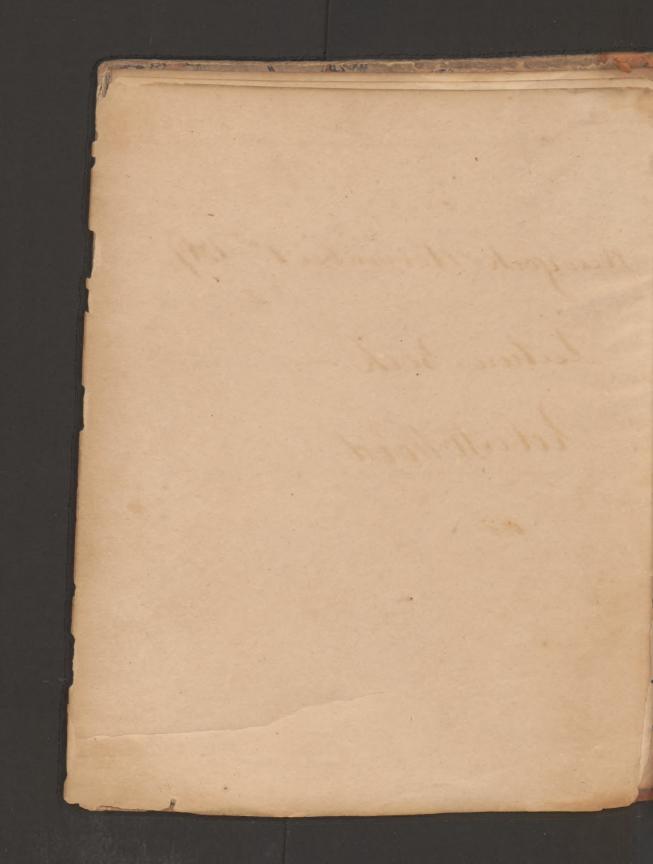
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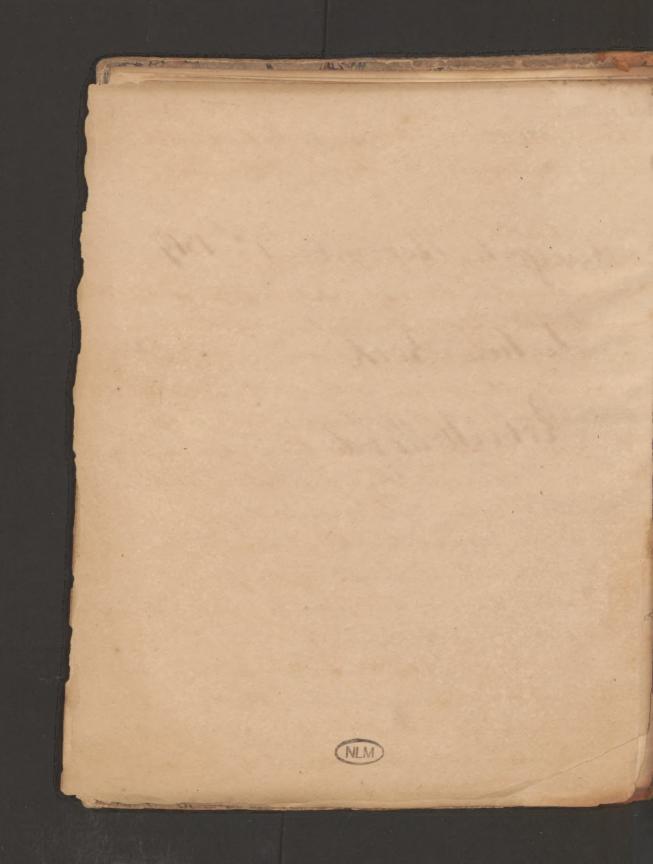






Newyork November 1st 1819
Lecture Book —
Robertollood

tables of n



Movember 1st D. Hosacki Introductory Lee ture, an Eulogy on D. Hough Williamson. Movember 2 - D. Macreveris Introductory Lec. time on Chemistry & Materia Medica, in which he in frant revive, the exploded doctions of the Hou moral Pathology, and maintain, that all medicing act through the medium of the circulating system he consider the doctime of Sympathy as unterable, and address many facts, showing that medicines to be efficient must enter the Circulation, he mention the singular fact, that by a frequent use of the Mit. ate of silver, many delicate women have had their complexeous changed to a black colour, especially then face and hands which were most exposed to the air, he notices the fact that many animals eat vegeta ble substance with imprinity which from mortal to man, he mentions the Colchicum as a remedy for gant which he says is generally the consequence of an impaired state of the digestive and assimila tive organs, he notices the different effect, which Dege tables of the same dap, and whose sensible qualities

W THE THE STATE OF are similar have on the constitution, he closes This Lec time with a brief history of Chemistry, and it entire at connegion with the science of Medicine. November 3ª D. Mitchell Introductory Lec time on Material History he commences his lection by dividing Knowledge into three branches, Physics Ethics and Dialectics, by Physics he means those laws relating to Matter, by Ethics those laws wh well regulate the moved conduct of men, and by Dealecties those laws of language whether oral or written, by which the intercourse between menin maintained, Matter is subject to Mechanical & Chemical Laws, he consider the an in which we live as compounded of solar, siderial, and terrens qualities, and that Opedences are dependent on cutain constitutions of the air with which we are unacquainted, he takey a cursory view of the Handay system, of the effects of heat, light and colours as derived from the sun, and of the influence of the moon on the tidy, and on the human body, in which he mention D. Meads Treatise on the suffuence of the moon as of great value.

he distays many specimens of Organic cemains der our, also many bones of different species of this mals which are now extent be 4th L. Inti Introduction Lecture on de I siche and how in which he trash a shart I de much reserve of the framera bods. The or me. tion in I was in its several with he commercen ! The brain and necessary sistem with other wheath the by wincenes which I for an on the on an . estadue taper wiet à la secrem deure in account lenavledge of Anaton, in the Is in noge soon, is devided his Lecture into the hut Theatons or a lenowledge of the structure of he body the ligarit organi, and that in tenon to les to lescones in their to tin time. The course commences his course of lections, to i autin't me the amongement necessary for the I we thereed to a carte, which consists of the ata Manal of and Continuent.

in never of the the are litter ton, trace win In house, Chemical Officety conout the place to seven sat of a distruter maracter, who for · lection and offerent to the from he me . were and the this in part Sott a und our starter tion must be in a newiam sete of in, and their distration is determined by the there of form the afarme. The aggregation of the fearts is more regularing the operation of who sto instance is freeformer a last, to obtain in my the restort fines is a no the son in an erigstattination ar mece, som com con sie or al allames in the mie in the Colony to as I then for instance our a diene to the way i de cucible of In des stall a tion the water of ten is almost equal to these of the with the to or in exact in a week the explane to the h. de la some is and , to the inte to " et, at are kept fout be the end 2 . It an Ather of me to of en e e ? a of tain, Little to fit the state

Movember 5th you to reine were his we were in the thetom by a desciption of the nature in whent of Bones, their compronent hant usen colain. you is the devides bones or to tentual on : so and concase and inelli an clafes, and april ne. s. I then of the he distale, mind whecemen, of speid fands, as of the mesenter, to Bruss are Whe parts as they are verscular, nevery, and are the of revener time thanse wer with the open. in my the teeth which are in meded with on me to contect them from the six, he conclude, with proing the absolute necessity of a critical I wa . ded a Matoria true de Introduction decline on the l' to the time of Misie, in which he descanted in to a la mice in truction, noticed the to white is in the city their object, then the not regulations, and their sub wine, to the to til a tomation of the toloured steedent, unive are of his Extens, a shower the weeks freely of just attenment, when unefficied to beaching

Trusproses, or when made instrumental in the for. him a temetical and descoute funion. Musian of in lecture the volated the com . e. ce .. and progress of the deserve which terminated in Lee " 10 De 1124. in tule, thete in sug reded pursus. Su phate of the we is to seded with the offer A go ... pe the le own to distinger them. youron. the notice of to vice raine from the Il. Attaction taken beer between of familiar of it is colled Chemical of taction or Offmit. e as int, est tope the become theid, and some Alich inted tosetta become soliot. Hei i a la to en of toher weal netter the fighter bet for is a very suild hungetive, and yet to compound. and I ca ties, Infui on of the an Albertia test of vegetable and . I a effe to be cal action in the section of lain, it clos de ge to te matie.

hope the A to en A left int own to the win ... con the time. Decomposition is cause by the see to the tion for frasticles of mother lite. The efficient gete bet een the two and the men, then the to to ago unber 5 th D. Ports Seture, Bones are poly I last cit to fore ent my min as in fellow for good leight they are made hollow to rend. in ight and to make their surface lage. The e do of for me and he go in the attach is to be for the framme in bones are for the the pro of the in, we ves & Mo handudation are tale blee in a time took, Bones ar d'intertier to or firet year, and retion la fast, their con ine. A feet, are earth one animal matte, am and notte consist of gelation and centilage, Rica de the enth as I do the Remain an atte. the telation very stillering case of Mother of in , is was to bed to see a mem in the morning to the ming before were weathing about his course e the course of the with the he it is the their in the thing of the did con the

unt mo and at a handed, from examination to fact found the the tout we hat I at right angle and that he will more it rections we thank exciting the long fine, Afron of to be I aft the man's become it in he a con that also their of the inse had taken place on colot en a few place, where a few ; wer to of hor ever to e, and from the blaschilt at the time who of it examined it seems that the at all the have the felace is one my "t. Bores a .. A asce to their artisies are of want in the the in no the Medillary actions, the retires of All Perin , and the Celle In a te is. . X so to A. I reductory be time on the annually It here's so truje y he commenced by ohout 2 1 . A mito the ache to Menta, or a gerent to lay of the homen of sten, Surgical Anatomy or a knawlede . o he which exists he twen de blevent frais lody, and Pathological or a lenawled when in a mortist state. he made man remades show of the me to at oursean and de lende se world ze to the

Mugain and Surgery, and the new joing the a Physic in the acquire a competent tenowledge of both i concluded his Lecture to a lew obose vations as in trutation in cases of fun shot wounds he men tioned It obinion of John Houston which was, the : I'l react of your shot wounds, Elm bu to tion I with de le ferred until the symphotoristic fever too subsi ded in rentaining that the operation must nece and A con towert by recommending the preformance of the or wa ion left a the Lymph tomatic have he on wence an quoter many outtouties, to este blis she as hereon to of the function of un no in Hour bust Dost Section. In cariting to tore are lind with a vientrane co. Time; there is the of yet do not commune with contaction if the did it would will in the low . . . i de loch as en Chazana, have is I have find the fungs and the cavities & with a so their way for granting decreases

a little our te themen the the sit of land is to I tence to ma the new to them is following he to the in mees in tel with it vise Bours are of a files site of her are formed into lamella. Bon save a how that word is proved by explication to we see , that whenever then one wing there are hat I'm more nerver entiring in this on that the or season to the lane feeling the it is not con we well till wax the feature of lower it in their eminering to be for your a raist of los e pieces of home of the intendation, when MI in to the are called the in my seen The la int. . sin i a finn com ha. A v er bare in a cola i water the love, in in the medium of cours . The tout the trees the some on or on tout of the inder, on the head it is carled prince a mine a the lecountry periodicine the I want to the day laster of the hinder A William and on Willeliant Sunsferder and that he eviewed the wire and hear to y lear and the state of the continue of there were the second of the second

states Infilation when I be and the first him the notice of jour un to the noticed the in for time of Medical Jusis whence in the free of in tourt which it often is a bet the the met and lacket one. The public and first cha to you they were and intored will one other the on the from, in owner or con run pition of the The determination of the paras. to be head on the might don't one from y. In Macnevery Lecture, Heat and Officity are the two processes by which every thing is formed, or sin the varies in different backies, The force of Offinity is machined by the relative proportions of the com frounds, Heat is a mady fying power, it expresses hodis and deminishes wherian. When the apprega tion of baches is strong, solid backing will not act on each other, but must be fused, gases are opposed to behimed Offinity as They reful each other Electricity also own to its repellent properties is of posed to affection, The Specific gravity of bodies in Aluences their Officity, as in water and oil.

Crecifitation is caused by the specific gravity of the precipitate, Compression hasten combination, as in gases, toarbonate of time has been metted by strong commession in an non cylinder, The laws of Offirity in buchis are their combination, cohesian, temperatine, Fat of Clectricity, I reafie gravity, and Commespibility, Then two bodies have received as much as profesible of each others properties, it is called Saturation, Acid tun Vegetable substances red, affinity is governed by definite laws, 68 pait of Ministre acid will saturate 100 parts of Potash but it will require too fronts of Julhhouse die. That process by which the component parts of lastin are separated, is called Analysis, that proce I by which their frents are recombounded is col-Red Synthesis. November of the Dr Post Lection The use of the Hen teum is to fratest the bones, to prevent frie.

Movember of De Posti Lecture The use of the Periode in to prevent fric. tion on the bony, and for the attachment of higam. ent, to Anciens of ten destroy bones by their profession. This membrane in its natural state is nearly insensible but when diseased it is against thy

sensible. Inflam af this membrane terminetis in Moughing, It is fa lipamentary nature, and extre mely abnopion to Veneral Offection, as nades which begin in this membrane, and afterwards enlarge the bones, It is worthy of remark sery's I. Past, that mades are saturated on those hones near est the sten, he recommends Blistering for their come Cartilage is a dense white substance, placed of the ends and between bones to prevent their frie tion, they are of a febrous structure. In Post divi des them in the following manner : 1 Tempora my to artilagy, which are in her of bone 2. Ultica la Cartlagy, or such as admit of motion. 3 d Inter opeous Cartitages, or those placed between liones as in the rites and starmin. 4 th Moveable Cartilages as in the Tener joint te. 5th Cartilages which are flexable and foun figures as in the nose and ear. The Morbid formed Cartily as in the Spleen, testides, and other glands. 7. Spunous Cartilages or those which lower at the two ends of a fractured home. 8th Ligamentons bar tilages, or those uniting the vertebra together whi In are very stastic, attentations are those parts

of The body which admit of motion, Commyrous one when the articulations do not admit of motion -When the articulation is in a deep cavety is is calhed thathadiea, when the cuvity is superficial athiactica, When both ends of the joint move as in the un it is called Ging by mus, The connestion between the bones of the head is called In. tura, when two parts are in contact Harmonies. and when one love is driven into another as in the teeth you phosis. Legaments connect bones togethe , some are elastic, and some inclastic, those which are clastic admit of motion, Capsular hegaments are enclastie-D. Mitchellis Lection - The commences his lec. time by laying it down as an areson that the wh. tiente partieles of Matter are sold and un penetre ble. What it is resolvable into atoms, and that in behemmed action, they impinge on each other, bent do not absolutely unite, There is no such thing as contact in the partiely of Matter. Day to in his work on the immaterialty of this soul advan. cy this theory, that Matte consists of ultimate

Marticles on the form of bricks, and that the brides are comented togethe by unmaterial mor tan Boscovichi theory is, that Matter consity of Mathematical fromto which have no parts, that these fromt are surrounded with repulseve frowers, also with a sphere of attraction. whi of chaves them as near as the refundance frown of the fronts will admit . This latter theory D. Mitchel adopt and says that Matte is governed by Attractive and Repulsive laws. Bachin are divisible into Mineral. Vegetable and Anunal defres - Minerals are frenetiable by Caloric, Magnetion &. The form of Matter in Minuch are symmetrical, Chyrstoly are an example of organization without life -Vegetables are of vital organization, nounshedly Shuish and gases, The forms of matter in Miveral, are similar - The lower species of Uni mals are distinguished from Vegetably, by their greater Initability, as the Volyfour de __ D-Whehell histologed specimens from the Unimet and Vegetable Rugdoms.

I). Macrevery Lecture, Those bodies which do not possof fronderosity are the following, the Luminous fluid, Calorie or the heat making fluid, the Mag netic fluid, and the Electric fluid. Colone is contained in all bodies in defferent proportions We determine the heat of a body by our own lemperature. Heat always tends to an equilibric um in all body, it is elastic and dilatable, in. visible, and of great territy, as it prenetrates all bodies. The propagation of heat varies in different bodies, the heavy metals are the best conductors. leguide are very bad conductors, gases are non conductor. Heat always ascends, as is seen in bail. ing water, the bubbles arising from the bottom of the vefsel in emseguence of their specific weight The following experiment was made by D. Mac. neven, he put a coloured fluid into the listtom of a glof respect, and afterwards come fully added some water, the fluids were entirely separate, he then ap-Thed the upper part of the vefsel, in which was the water to a lamp untill it boiled, and yet it was not at all estorned, he then applied the lower part of the wefsel which contained the coloured matter to the

heat of the lamp, and jumedicholy, the colouring matter began to diffuse itself through the water. The application of this is very easy, wherever the heat is applied, the fluid is made specifically ligh to and consequently ascends - The temperature of the atmosphere is highest near the surface of the ground and gradually becomes lower as we recede frour the ground. Calorie causes explansion in all backy, until presented by compression, Gases expand more than fluish, and fluid, more than solid. The the specific gravities of gases differ, yet they all expand in equal degrees of temperature. Mercury proposes great prowers of explansion. November 10th D. Parts Lecture. The ligaments between in the as accidition and the spenal througher are clastic Innovia or that which lubicates the joints is of a brownsh colour, viscid and consists of water, albumen, and soda, I. Monios a perion that there are sy nowial glands is meanest, it is secreted by the membrane . I the la sular byaments, in the same manner as The plema secretes a fluid . toopsular or Boursal liga ments are bags which surround the joints and contribute

is their strength. They are inclastic, the restaming tegarments are those which prevent motion. The Com cial lijament, are those which are; each other, as in the thigh, The Lateral ligaments are those on the sides of joints. The Interopeal ligaments are thou be tween bones in the tilia and dibula for motiones "ne Annular ligaments are those which surround jointo, confining the motion of tendous and mus der as on the wist. Saccula a busio mucosa are bags, sin. counding tendous to prevent fretion of the bones . tearti iages precede the forms tion of bone - is soon as the sometion of went is manifest ofserfication is discernoble. The ofsification of isty is completed in the this month, as they are nice sain to ment compression on in organis of cuculation, the Claviole also is soon somed to protect the arteries which nourish the supenor extremities, some one formed from centry of office. fication. The secretion of earthy and animal motta constituting bone is made by the vasa vasorum -D. Past relates a case wherein when ation of the bowelf was unduced by an opisied mesentine gland, causing the death of the patient.

1) Witchilly Lecture Loology is that science which theat of Ohumaly timens divided Unimals into sup Classes 1st Mammalia. 2 d Nows. 3d Pisces. 4th Mm Inhibia 5 th Insecta, and oth Vermes. I Marin alia, are those aringly which are provided with breasts to suddle their young, have a fulm on a a cuculation, and warm red blood. It Mus are oorparous, have a fewlin on any cuculation winn red blood, and feathers. 3 Vises have no lungs but gill which supply air from the element in which they live, their blood is of the same temperature as the water in which they exest, they are covered with squamae. the chimphibia agest wither in water or on land, have generally lungs and cold red blood as ti Linely, sindless, te. Ith Insecte from in I seco locathe Whaough hales or Sigmata in their stein which is a catachractory or jointed mailed covering, this hard east server for the attachment of muscles be. 6 tomes, Under this closs were placed all those which did not come under the above heads, and whi on a course consisted of many vanities.

Guvier in his system of Zoology divided Mina. Is into 4 Sections, containing 19 Colafoes -Section 1st Vertebrated Minal or those animal, which have back bones viz 1st Mammalia. 2d Birds. 3d Fisher. 4th Reviteles - The description of these has already been given in the Linnear system The other 15 daps are com rosed of those arranaly whi. of in the Linnian system came under the general. head of Vermes. Section 2ª Moliscon Olimans, or those which are of a soft organization, consisting. 5 th Cophala. feader, or those which have their feet or organs of me tian on the head . of Tereprodes or those which ha. we their organs of motion in the farm of wings. y to Gasteroprodes, or those which have their locomo. two organs on their bellies, a, in those shall from whose shall are univalve. 8 - Rephelois on those fish which have no heads, and which are birealve, as the clam and oyster. of the Branchia prodes, or those which have gill attached to the auticle of their bo. dies, and whose shall are multivalve. 10 the Gerhapour or these which have their feet of a couled your as The barnacle to

L' Macneveris Lecture en Materia Mediea. Substan ces have different degrees of definite for different organs of the book, every hart is endued with a peculiar write Wilit, the excitability also varies, Mechaines have pe culiar presentis, and mades of action I'deme her is the Chyco roche nesten Houses in crease the contractile force of the annel file and stre I then the come of the stomach and welestind canal. Butter, are in general torie . Astring ents vierense the contractite, caree of the solids by thating their with and undering them more combact, The Phin secol cause of Astringeners is a Inovernote from a ite. Motimena, cannot be determined by the las te on man swistances act on the stomach and sutes time which exert 100 such force on the tongue, own their object a for intis. Hemonhages and from bethora and wedenly, Astringent, are indicated in in last. Istimpents are of use in gout log thingthen ing the degestive prowers Better, and Obstringents are indicated in unscular de bility. Thomaties and M. kohol which are tonic are indicated in low fever, non. vous affections, securey, and scrobula. I regular di et hecofrong is be observed by Comvolescents, Then

Should also divink but little, as it childes the sisting fluid and impairs digestion. The warm and cold boths are both tonic, the warm both is stimulant in useful in Chronic Pheumatiam, The old both reduction the temperature of the body. Especial both active and passive is tonic.

November MIT Do Posts Section. The back, is divisible into head, trunke, and extremities, the extremities into superior and infinior, the hunde anto the neck, chest, and long, the vertibre are in the form of this payra meds, when are divided into Cervical, Dorsal and humbal, have many Loramina, and are of a spangy struc two internally, each vertebra has y processes, the Amous process projecting unnechately backwards I lateral or transverse processes, 2 superer and 2 infenor articulating processes to your them to the other vertelia, these processes serve for the attachment of liga. ments be and act as levery. The correct vetebra are sm. M, have holes for the pessage of the vertibral artery, and their canals are triungular, The dorsal vutebra have their spenous process triongular, their canal rownder, and lateral processes stronger, the rily are connec-

ted with these vertabres by Capsular ligaments. The Lin bal vertebre have their lateral processes longer. The Vertebra are united togethe by a Ligemento Cartilaginary substance, and by Capsular ligements. I. Witchill; Lecture. Curiery Chapsification - the two first Sections were considered in the former lecture. Section 3d Sounted or articulated animals. MI Chronolides or those in the form of rings, as worms de. 12 th Coustaceon, is Cals, and Lobsters. 13th Chacking by as sprider to. 14th Insect, the same as those descri bed in the Linnean system with the exception of the three freeceding species, These around, are disting mished by their antenna and by their metamorphosis, their changes are the following. 1 the egg. 2d a worm or cate frillar - 3- a Chysillis, a that topid state which precedes the last change 4 th a Butterfly which was considered by the freedes an emblem of the soul. Section 1 the The Ruchary Unimals, or Whose which have radiated limbs in pair. 15 th Sea woling, constacean animals. 18 - Intestinal worms, as ascaridy te. There arinals infest the body, and have been found in the Stimuch liver burgs, bearn, &c -

softhe Sea nettly. There are transparent, capable of producing light, and have little calorie. 18th Dolyge a Poly Juses, then are found at the bottom of the sea, and the. in remain, of ten make rooks, and islands, They have many mouth, and but one stomach. 19th Infusory Unimals. These are found in vegetable infusions, in in fusions of tea, propper and cumamon, and in all bounds These animals pave use to the Unimalcular Theory of diseases. La'Illach in his say tem of Los. logy divided drively into three Sections and fourtun Clapses. Section 1st Whathie Chrimat or those which have no newous my stem, or or aus of sense. 1- Infusores. 2ª Johyps. 3ª Radianies. 4th Vermes. Instead of a newous system he supposed the muscles endued with a vis moita to execute the motions of the second obvision called Sen tient Onimals 5 th Insects. 6 th Machinder. 7 th Constaciony. 8th Annalides - 9 the Centifieder. 10th Malluscons. . Section 3d Intelligent Orimal or those whose brains are cased in a bony shell, and who have Vertobra or a chain of hones forming a spine. There are 4 · to lapses of these 11 the Fish. 12- Reptites. 13th Birch, and 14th Suckely or Munmalia.

ilacueving Lection. Thermometer, are of their leines Or comitey, or those which resist ine, and we made of Whating or class. The Thermomete containing Sheids, and the un Thermomete, ittercury is more expansive Than any The substance, and on that account is penerally used for Themometry, it greezes at 40 below o Falmen, wit. The sensibility of Thermometers dehends on the maker, of their taby, and the small quantity of Mercun, they con tain, The freezing mount is 32. and the bailing point 212. Fahrenheit. The Themometer used at present in Emope is called the Countificade, because there are 100 degrees be tween the freezing and boiling posets. Colonic excapes two dixerent ways, withe by passing through the an without decomposition, or by being concluc ted thed' of he trodies, that property of heat of separating from body is called the tension of toalorie. To prove the replayerion of heat the fallowing experiment was made. two highly polished plates of tin were placed at se veral yards distance cliently of posite a themometer was placed at a few mohes from one of the plety. and near the other a lighted candle was placed, the can a of heat and light were reflected from one to the other, and the mercury in the Theirnometer which was

ut 38? The temperature of the room rose in a minute to 80. by placing some coals before the plate, the heat in the ather plate became so intense as to light a match at some distance. To separate heat from light the follow. ing experiment was made, some terming coals were pla. each before one of the plates as on the preceding explain. ment, and a the mometa placed very near the other plate, between the two plates a plane of glass was intuposed, the rays of light paped this as appeared by the resplending of the other plate, but the rays of heat were arrested by the glass, as the Thermometer was not at all affected. Valished substances are more whactive than others.

Howender 12 th D. Vosti Lectur. The centre of gravity is anterior to the spine, the spine has several curvatures. its use is foundfold. It to support the weight of the body. I'd for unscular attendement. Be to contain the spined man on which it protects, and 4th to allow of motion it admits of flagion, extension, latered and notation, motion it is hable to all the affections to which other hours are melicity, as feeture, distocation be distocation of the vertebra is it is freeture, distocation be distocation of the vertebra is ways attended with freeture except in the first vertebra.

All fractions of the vertebra are eventually fatel. Concuprion i, followed by paral, sis and inflam which is to be remedie by more action, low living to Curvatures of the spine proceed from different causes, one cause of curvature is from a soft. nep of the hones is in redect, this curvatures are in a lateral direction is the processes prevent them from bending Inwends or backewards. D. Ist recommends worm and cold bothing in riche ict. Distortions of the office often proceed from long continued for times, as in some fearticular employments. Inother cause of cine time of the spine is a scrapulous habit to this curvature obilider are very subject, it never taken place after adult age, the I were is bent forwards in this disease, owing to the whomation or destruction of some of the vertebre. The first symptom of this confriaint is an inability to use the lower extremities, after. wards a total inability to wille, Journal with a fram about the lence or. I Witchily Lecture - Vartebrated Unimely. The vertebra

of a testude or tortain consists of one piece which runs along the shell is devided into different fronts called the marginal and central frances and is connected by two friends of shell to the lower foot, called the steenum. The vertebrae in cartilajurous fish are divided into joints, as in the shale

are composed of a born catila sinous mette and have no co.

not for the spinal manow, in her of process, they are for

vided withholy in the vatebra for the attachment of muscles.

In borns fish the vatebra have precesses to form a junction

with the reby and a canal for the spinal manow, which can

see them to prosess sensation and voluntary motion, then are

two bones on the tel of fisher as a substitute son posterior a.

themities. D. Metchell showed a specimen of the budy cal

led wader, with a very long nech and legs.

L. Macrievis Lecture. The postowing experiment was

made to show the distance decrees of values which a later

In Macnewin's Lecture. The following expression which was substances in ade to show the different degrees of restriction which autostomes, in parts were placed of soute to each other, a tube which had four equal so were order, was sitted with water heat and is 200 degrees of Tohnewheet, one of the seds of the tube was black one very bright, and one very much screetofied it was placed in a grate of hoste to one of the offectors, in the other was placed or their moments which stood at 84 to, exprosing the wheele surface it was to by in a few minutes, by exploring the rough surface it won fell rough surface, absorb more heat than published ones black tooking have more army sing, sowers than any others. Coffering is suffered the flower of similarior is always, equal to the power of similarior is always.

enifsion. All bodies tend to an you librium in heet, when bodies we of the same temperature absorption and essufsion are equal The health hady rache tey more, the colder absorby more. The mean remperature of the earlt varies but with. bowers in cold countries a jorean warm and in warm countries cold which is awing to the be tween their temperature, and that of the externol atmost here. One of the expects of loaloue is that of changing the form of bodies. Baking aprefs a latest heat, so called because it has no rensible expect on the Their one to get we can be molted without of ing ing it lemperature by giving out its latent heat. Lie with ever The heat when afairing a solid form they the wante season is rendered mon temperate when much see is gowned, as the evolver heat is added to that of the atmosphere.

Movember 13 D. Post; Sectione. The most general and successful mode of transfer in our ve time, and other diseases of the species as the establishment of four is near the roat of disease as people the time years define some time; before a once can be objected. Uncliptoris is that force foly, which bony matter is defined ted be twen two joints, defining them of their natured motion and in the consequence of direase. The peluis is composed of the os it imm is the appearance of the or it imm is the appearance of the peluis, the species of the or it is and la.

int. The outer surgice of the ilium, is called the docorum. The isohier in it the bone on which we rest when sitting, the bicops runsele, the service membernosus and semitendinosus arise from the tubuosity of the or isohium In the operation of the Stone, we cut between this tubuosity and the arms. It very large documen is situated between the or judis and or isohium, from which hale the obtained or externy and internes muscles arise.

D. Whitchill Lectur. Linners divides the Clay's Mammalia into y order vir. 1st Themater, or these animals which have a very complicated or ganization, a large, in tion of encepha. , ion, are intellectual, and have suckeing organs on the breast , as man, the apre baboon, monkey and buts. These have a full set of leet. The distinction of the orders is derived from the teeth and class 3 & Fera or beast of free, these are can nevorous ariends, and have short teth to seize and lacuate their frey . Of this day are the him , legar , day , and cat. 2d Bruta as the clowhant, this order is alway, without fore teeth. These two orders are here misplaced, the Bernta forming the second order as as prejued by the figures . It I glives. The animals of their order have two when and in lower teth. a full soft of funda, but no canne teeth, as the squarel, manse be. 5th Pecara, or rumment, animals, These are herbivorous,

were gam stornacks, and no both in the upper your exec but the grinders. If this days are horned cattle. oth Belline This order encludes there aremals, not belonging to the five inceding orders, nor to the succeeding one as the horse be. ath bete. These animals, have a pulmonary circulation a double heart, mainime to makele their young, and a pering to reason the act of generation, as the whole &. I. Macneveris Lecture. Tomies are stimulant medicines Shet produce durable expect they are apphilias in the feeble soms of obsease. The following rules are to be observed in their use 1st To begin with small doses, with some acceptions, as in Typhus. some Muroses &. 2. Not to combene man, tonies in one present him, but alway, to deep some in usewe 3d When the exertability of The stomed is worn out to introduce them into the stimust book by the skin. 4th To encleavem to graduate the Min scine it the state of excitability of the nature. The Cinchona of cicinalis grows in South America, there are three views used in practice, the pole, red, and yellow. The pole is inve aromatic, and bitter, the red is the most astringent and especious. The pole is of an rejected by the stomach Prace, normers vin few sensible effects. Intermettents

in their commenciment are often attended with inflammatory nunfitons, and in the cold reage obstructions are sometimes formed. In the saturation Barle would be mad. mepoble as it would marease the fever and excite fram in The obstructed viocera, but Denessot and Macunial from. ger should be the remedies. Barte is generally given in the quantity of an annee in 24 hours, but where the molica tions for its use are shong it should be given in as great quantities as the Stomach will bear joined with some aromatie as the Instee vot it should be given in substance when fracticable. It is given in remottent severs. In conti. mued severy as the Typhus which originates from Marsh masmata. Mercury and dia shorties with wome are Inchrable to the barle.

Rovember 15th D. Post; Lecture. The sacrum is trianger. la. the postorior surface conview and inequaler. There are four garanima on each side for the papage of nerves to. It has simon proceps, it is obvided into its superior part, its box and aper. The articulation is the same as in the vatibre, it has on appendage called the covery, then we four pair of sa. one of mewer paping this the forenine of the sacrum. The oping this the forenine of the sacrum. The

is a collection of water in the dura mater membrane surroun ding the medulla ofunalis, forming a serous tumor which causes a da angement of the nerves in the sac. It is some times an undependent disease, sometimes combined with Henchauphalus, it is generally mortel but has sometimes been and by Mr basper by function evacuating the ses to by degrees, and by gradual preforme on the prominent sae. The or coccy is is comprosed of four pieces, which are of olighe rent sires, it has begaments which connect it to the sacrum Carturation is sometimes impeded by an anohylisis of this bone it is sometimes pactured by accidents, and in particultion, the four of the polisis elleptical, the gradest dearnets is from side to side, the two is chie and the coccys from the project ing fromto of the lower part of the produing the polices of the familie is larger than that of the male, it is subject to great deformities from mobilities and cure time. The division of the symphisis fule; her been practised but it is of little war as the ligements prevent the hones from repending to any distance, the Casarean opaction is sometimes resorted to. In extra uterine fatures an meision is made this the parety of the abdomen to after of them.

D' Mitchills Lecture, Envirolevides the Mommohia

into 8 orders. 11th Binners or two hands as man above. 2d Quadrumanes or their who have four hands or extrani this as Monkay be. 3d Connapries or beasts of Jung and Mansurrang or those animals, the Semely of which have pouches on the outside of their betties. If the Rougemen or Venawers as ests, mice be 5 th Edentes or these without teeth: 6 th Pachydermes or those animals which have rough steins us the dephant or they are sometimes called Jumenta or beasts of lunden. It Rummants or thou which when the and they have four stomashy. In The Dumen or that organ which mesticety the jovel. 2 - The Reticulum whioh returns the good to the mouth. 3. The Omasus which receives the and, and further marketer the found. 4th the Momasus, which contains the gastric fluid, and completer the dijestion. 8th The Cotacies, cones fonding to the Linnean system. The teeth of arrivals are go their nouish. ment and defence, some animals are without teeth as the Edentes. There are three roots of teeth. The murores, the carrie or landary teeth and the molares or grunders. The Order of Virmates is obvided into genera. The Virmates have four encisory, and two prestoral tests. " Homo, distra guirhed by his exect attitude, los hands, feet broad and flat, and by the organization of his bock. The creebung

is larger in man than any other arrival, he is destitute of the legamentum suspensoreum, which supports the head of animals, and which proves that men could never have been a quadrifted-D. Macroveris Sectione. What of the modern chocoveries one owing to the discovery of the laws of heat. There are two lands of heat. Sensible heat on that which produces effects cognizable to the senses, and later theat, or that which forthees no sensible effect. The Sulhate of Soda and fresh fallen snow will reduce the Thermometer to o owing to their great affinity for each other. Freezing musting are generally formed of christallized salt, which contain a great quantity of frozen water which arteach the toclorie. They will freeze Mucun. Backer afruming a solid from who heat, and bodies apriming a fluid form a bont heet. Mate book at 212. Etta et 98. Ottinespherie profine restains evafroration. Steam contains no greater quantity of hact than boiling wa to which in proved by placing a Thumometer in boiling weter and the steam aising from it. Gases expland by adding heat or dimenshing pressure. The recson why fluids boil soonest on high mountains, is owing to the less profoure of the atm or here at their lors.

ilavember 16 L. Ports Lectine. The bladde when distended is above the bones or the pelvis. In thoras is made who of the spine, who, sterum, and the cartilages which con. next the ribs. The broadest part of the chest is below. The we un send are of the dicephragm is even with the fourth rile. The ribs are inslue in number. There are soven connect. ed with the sternum called the true rites, and sur called false rito. A wh is a curred bone divided into its hody and low extremetics called its sternal and vertebral extremities The extend surface of the rites is plane, the sutured sur. face convey with a groove in it for the passage of an arter vein and newe, It who has an nead, tubercle and angle. the when he is near the extremity in the attachment of the laterel proce / ses in the vertebra, it has a causty to receive the carlilage of the sterner. The concelation can be stopped by prepring The arter as it paper under the clavicle to supply the superior - or extremities. The length of the riles increases from the set to the ofthe or 8th and then decreases. In inspiration the ists are chaven whowards by the interestal muscles, the sternen is thrown forward, and the dealthragen descends, enlarging the capacity of the chist for the admit sion of the air. In en pustion the riles and starum fall. The draphragen accins from the action of the abdominal musely, duminishing

The capacity of the shest. The function of the seratur por Theur supressor is to draw down the rits. The form of the can talages is very semilar to that of the wile, with which they are connected. Distocations of the who are very rare owing to the in great elasticity. The stamme is composed of three preces the superior, middle and inferior parts, the superior Spice resembles as heart in shape and is connected by Certilage to the davide, The inferior part forms The cartilego enseformis which is sometimes perforated. D. Mitchill's Lecture Genus Homo. In Galli Com. mology. The news are traced from the orgain of sense to the brain he pretends to benow the character of a man from cutain marker and the steall, thus the organ of generation, and the organ of havental fondinely are placed behind the occupant. Those who have a projection of the frontal bone are aft to receive instruction. Thyseognomy is placed within the orbit of the eye &c. When are divided into altifued varieties, or Those who have Conneal and Flat heads, Compression of The steut is fraction in some countries, which makes their nead, flat. In the South Sea Islands, they disfigure themselves by functioning the wase and ears for the purpose of wearing or noments. They also practice tattoons, or princturing the skin

and useting a colouring matter which is never absorbed. The reason who the rite of circumcision, which is cutting of The freque was instituted among to hustians, was the fre. cention of deseases to which these parts are subject from uncleaned to There is a quactien existing among the Hotter toto of removement one testicle, the reason unknown. Mun is the only animal whose prehince is not connected with the bolly. Must come the Mabiel Vanties, as those men who have swellings of the thyroid glands, called the Gorte, which is accompanied with a duties, of the faculties, and with I disay. The Albinos or those whose steins are of a challey whitiness whose constitutions are delicate, and their ages are destitute of the frigmentum signer, which gives them the appearance of red oper, their right is very weare. Matural Varieties, among which are the dwarfs, or men of small statue as the Labra don and Esquimany. The giants or men of tare statue as in Catagorial the Hottentats whom women have large sacral bones, and an appendage to the mympha. covering the vulva. The brown race as the Tastan of Osna and america which lead a wandering life. D'Macrowing Lecture. The is produced by evaporation. Out a small quantity of waterint a vefect, and add some Etha

which will remain on the tak by it specific growty. introduce this vefact into an air framp and by producing a vacuum The other will bail and evaporate, and the water will preve Some sulphune acid should be placed in the receive of the air frump which will absorb the evoprated other. Evaporation is moderated by proforme. Explact are prefune by evaporation. One gallon of boiling water added to an soo get. long of cold water will merease the temperature only one dague, but one getten of water converted into steam and con densed will increase it nine degrees. The sources of heat are the sun and tenestial bodies. Rays of heat differ from rays of light. heart can be seperated from bodies by confueforin and pracuforin Atmospherie an contains Calorie which was proved by the got lowing expressment, a poston was proped into a on hunder an tight, which forced the air into so small a compay that fine was produced. The spark being quite huminous. the this canar may be referred the accidents which often happen in ramm. ing down guns. The somes of cold are evaluation and the change of form. Light ory deser badis, its beams are sofre rable into seven colours by the form. The red rays are the most refrangable and heating. The violet rays have the greatest chemical from and are the least refrangable the zellow and green rags reflect most. There are invi-

will vay, which are more heating as is proved by the Thermometer, Cutain badies absorb and rotain heat without decom posing it as phosphois, chamonds, and sea water tom-. bustion never occur without the presence of an. ... November soft D. Posts Lecture. The sity are subject the forctions they generally occur from the 5th downwards. The fraction is know son by a yielding of the bone, an acute freen in suspenation, con. ghing, and toloody expectionation. A coefutur somtimes can be hear. In emply some somotimes occur, which aptends to the cellula textine of the lungs and over the whole body, it is obstinguished lay a cracketine sensation under the Jungers. In cases of fractive The who must be keept free from motion by bandages to. Venesco. tion and a bliste. The amplysema must be prevented or au. red by by cutting down to the rile. The sterrum is also hable The fractures. The supremor extremity is divided into the showhole, arm, fore arm, and hand. The shoulder is divided into the scapula and clavicle. The form of the scapula is tuangular, its external or dorsal surface is convins in the centre, its internal surface is concave, it has three edges, the base, and superior and inferior costa, it has the angles the superior, inferior, and auterior, The plenordscowty is for the reception of the head of the humery, The coracan

Juacely auses from the unterior part of the scapula and server gor the attachment of muscly. The clavicle is situated between en the scapula and Stumm and Seeps them apart, it are ser from the coracord process of the scapsola, it is frequently pactured, the mastorial, debtaid, and subclaving muscles course from the clavicle, in cases of fraction the shoulder to Mr. the shoulder must be raised. The hones bist in apitation by prostion, and compressed fruit between the rets and ann. The hours are very seldom placed in frafect apposition-D. Mitchilli Lecture. D. M. related a case of a soldies on Jovernois Island who had swallowed from Tennes and passed them by the intestines, he showed the lenver. 1112. say, that he has a paper which proves that imerica was discovered 500 years befor batum bys was there Gear lef men or their having small heards as the Tartan, Chinese and Malay, Frawn race, as the Olmencan and Osiatie Fartan, and American and Assatie Malays. In the Freper Islands there are men who feed on human flesh Gov. Galo also told D. M. that then were seven men among the Mannis, Indhans who hired whon human flish The White race auxing from the north of where the ask was sulphosed the rest near the sources of the Tipis and

En whater, called the Enceprior or white that-Sable race, or negro. living in the northern parts of africa and the south coast of the Medifteranean. The Generatwo varieties, as the mulato De. The homo serves or wild man, who has been found in France and in Toland, they are capable of being humanized, and then forget their for. mer condition. The Simia, including thou and mals negt to man, called Quadrumanes, or those which have four hands or aghernitis, as the spe, monthey be. Dr. Mainevenis Lecture on Mat. Med. Bark is applicable in theumatism after the inflam? Lever has been subdued, it should be given however with contion. In authitie and youty a send combined with a westerned state of the degestion agains, as recommended by Lyden han and Gregon . D. M. mentioned to cases in which gout had been reshonded I years by bate. It should be given in all periodical diseases in the intevels a intermission. It is transported in confluent much pop where The fever is of the typhoid character. Where tomes are inticated Bake is the best Cyscholas is generally suflant in this country, but where it occurs in merchy countries, and the constitution is peeble Bale is useful. There are two saids of Scalatina, Scalatina augunosa, and Scalatina un chiqua

in the letter which is attended with great debility. Bark. is serviceable. Dysentery is a Phlegmasia, but in marshy countries it has intumpaion, in which case the Boute is inheated. In Survey and Menonhagea Bake, combined with dime water, and non is very expicacions, In ner vous and I rasmadie com lants. Enteroy is very preque ent amous young people, and is generally owing to entestions in the bload wefsels of the brain, but when it is of long conti mance tomies are indicated, Choica has been removed by fee imping, but tonics are apprihicable when it was existed some time. Dave is given in the second stage of Vertufnis. Where Osthing is combined with an empaned state of the objective or pans: date is useful. In the Cacheria, as in Leonsum this where the Lestie fever has periocheal exacer bations, and in that leansund their where there is no head gever, but an emacrated state of the body day cough, and sweetish expectnation Bake is indicated. In Sarfelans constitutions. Bake and Mercuy combined acting as an attaction and tonie are valuable remedies, in the lest stage also when Tume as ations and wheers are present. Bake combined with Cicuta and also used extendly are useful remedies. In lichests-In faul when the internel use of bale should be combined with the extend allhication of the court and charcoal

Inouties. In Lencowhea, one said of which I. M supposes to occur from a vitiated secretion of the menstrual fluid, and wind is rendered very probable by the fact, that during the rusease of Lenconhea, Menshirstion is suffered back show. . id be given, In Gampiene unaccompanied with instam? Bake joined with stimutants as were, muste, and serpentaria, has been found very beneficial, lest the employment of whater in ranguene has in some degree superseded its use. Bale an i hid up tanelly to the stomach where it could not be given in tunally has and chronic chawhais and other characy. November 18th D. Pasti Leatine Fractioner of the acapuala can only be and by postion in head is sometimes for timed. The arm is divided nots its look, and two extremities, it, head forms a section of a sphere, is covered with cartilage, and notety in the plenoid carety there are two to beach means, head to which are a tached the subra function, the intra spending, the subscapehavis, and the beech co with glap or muscles. There is an emmener about it middle caused by the tendon of the det aid muscle, Two conde les are situated at the lawer end of the arm for the attachment of muscles one join the resolvers, the other the who . The articulation between the arm and sousin is a sected by an throoking, so as Med from the cavely, being su her reid. Distocations of this bone take

place, downissands, backwards, and mivards. The constand from cop nevents its distocation inpresends, they are most prequent downwards, and the symptoms are a cavity under the acromion Fram in mation of the arm and the head of the bone being gett in The apilla, to expect its reduction their should be one finded from the for actination as the books the arm should be reised a Withle, and a fentle continued aptension made and in a recent case when the himb is be ought in a proper position the muscles len their contraction with effect the reduction, without the aid of extre manuel or mechanical labour The next, most frequent distocation of this home is forwards, in which the symphtoms are The same except the head of the bone being gett under the prectore My muscle. The reduction of this lugation is frequently emprace ticable. When the distaction takes place backwards, the arm is shortened and the head of the home is jet an the dossum of the scarula. The two bones of the forearm are the radius and when the whom is the longest and largest and has on it up. her part a process called the coranies process, it her also a se - unitura cauty, in which a projection of the rachers moves and by which mation is justimed. The lower extremity of the who are small on the une surface of the who is the ing land juncofo. The radius is small at it upper part and large at the lower, from that has also is ity laid for cops

at its lower extremity, it has a tubucle on it upper fact for the attachment of muscles be. The who performs most of the metion of the arm. D' Mitchilli Lecture - The Sima or ape family , 4 texts in the whoher and lowe jaw. The Simia are divided into four Sections Section 1st the tailet or those without tails, as the Simia Trog - lody ter who live in families. The Simia sylvestris or Omony Cutang. The Simia sotyus or Joeles and the Sumaslar or long arm. ed ale. Section 2 the short tailed, as the Simia Memonstring and the Simia Marmon. Section 3. The long tailed as the Seme nemens, the Simia masia, and the Semia diana. Section 4th The Umerican montey, of then are the dahajour, which have couled tails to suspend them. selves from trees, and the Sagons, or those whose tails are not curled. Lemm with of teeth, of these some walk and some have wings similar to parachutes by whi of they can descend from trees & without myung, as the Verpertilis or bat which has wings connecting the superior and infenion extremeties of these are the Vespertitio Van pyrus, or Van Jugue of which such extravagant stones have been told. The Veshertilio Spactrum, so called from it appearing in the night. the N'espertilio Manna, so called vicause the right of it in

The night has justiced spasms. The Verinetilio Unitus the Ceshertilio Minanus from its lovieing like a mouse and the Vestatilis Molofour. It will be recollected that all these lestong to the order of Primater, Class Manna hia - Mest comes the order Bruta of the Colop Mann malia, which have no front teath, and some of them none The Brediting or Moth, which has sup grinder, and is covered with hair. The Mermezapheza an anteatir, whi oh has no teeth, and lives upon out. The Madifius which has no front teeth and has glat feet. The Ma mis or scaly lexand which has scales on it body. The Disifus on Umadillo which has neither hair or scales but is covered by rings of shell. The Whinoceros which has a how or horn, on the nose, there are two species, the Phinocros, Unicomis, and the Phinocenos Becomis, they are found in the south of Usia. The Saphatyron or hor. ned hay. The Clephant which has no front teath but canine and grindley. It has an eloupation of the smout cal. led proboseis, which serves as an organ of namishment and defence. It is found in the torrid zones but well live in The temperate zones. There are two sheeres. The asiatic and the Ofican. The Mastaidon so called from the foun of the teeth.

L' Macneveris Lecture. Simile baches are divided in to six da, for blafo 1 the more simple harts as balone Lume, Cangen, Hych agen and Motragen. Class 2d The accolifiable bases the most common of which are Mitagen, Carbon and Sulphun they are composed, that is acids of two substances, the acidy sping and acidefied bases. The though acids are distinguished by their ending in ic and the weather in our, thus Julphune acid is stronger than Sulphuraus acid. Elefo 3d Metallie sub. stances, which are acted upon by acids, when the metally u. nite with acids, but do not form an acid, they are called orides. Class 4th Carthy, some are round in a saline state, they are generally mand together. Day to is the most fronderous. of the earth. Class 5th Whalis. Pota/sa and Soda are june vegolable Alkalis. Ummonia is a compound autotance Chaps Of The more completer frants of sumpre bocker. 2 3 4 5 6. Simple Su. Simple Simple Simp. Subs. Simp Subs. Simp Subs. Estances. as Substances Substance, united with united with united with The earth, be combined com bines Ozyg & Color acids to form other Simple Metal, De with with to randa the Mutal fatts Substances Caloni Ozygen gascoup

November 19th De Ports Lecture. In dislocations of the fore arm made ate explinsion should be made to disingage the conanion process the ligament are locusted considerable in Stam" and fever anspervenes which should be combatted by blucking be the enchoreting wash for the inflam? the joint should be moved after their weeks whould a thickening it the parts take place apply a blister. When a nacture of the oleonaron happins, the tricops muscle draws in one fast, in this graction, a ofthint should be placed on the anteri or part of the arm to least it in an extended state, One on both er, in bones of the foresom are hable to be pectured, to obscove a precture of the radius which is most prequent tothe hold of the wrist and what it, and a crepitus will be heard, a nec un to the who is easily discovered, from it suprespecial position. To effect an uni - en of the feartured bones a of Mint should be at bied under in arm and me on the anterior and hacke pearts of the himbs, but none on the who per frest which should be lift for the wiphlice time or cooling west when Mo liandages should be after hied in this hadtene, In they would hulp to gether the two uses, and the carles might unite them. The hand is christed into three has to the carfens, me ta-- confine and fingers. The confines is made up of 8 bones which are connected by strong begunents, and have considerable motion am . my themselves, there are two rows with 4 bones in each, the upper

www. coursest, 1. Scaphordy. 2. Lunais. 3. Cunciforme. 4. Posiforme. The lower row consists of 5. Trapezium. 8. Trapers ordes. 7. Os. magmem. 8. Muciformer the first metacarfiel bone is attached to the Traperordes, and the middle metacarpal bone to the Os magnum. The confus is attached to the ends of the forearm, is convey on its back fait, and concave on its under part. The bones of the Me. tacarfres are divided into a body and two extremities, the lower extremities form a ball and socilet joint. The lingues are made up of three bones, they are connected by ginglymord joints .-D. Allitchill; Lecture. 3 Prodo Ferse or wild animals. They have Outplew teeth. 4 Larriary which are longer than the rest, and their molares are conico-cuspidated or with very short fronts. These are divided into two families the Insect laters, and the Carmivorous. The Insect eaters of which are the following vir Genust - The Erina ceus, or hedge hap, living whom insect, it is covered bristles to defend stack. Genes 2d the Sovers or Show of which then are the fallowing species. The transpa Latid show the Fooliers or water show. The Moscus, the Aquations, the Econdatis, the Satisis, the Semishin orus. Genus 3d The Talpa or Male of which there are the following Species. the Europea, the Cuistala and the Carulan.

the Countroious Family. This family is divided into 3 Orders. The Plantagrades, or those which have flat feet, The Digit grades or those which walk on their toes and the amphibious or those which live either on land or in water. Ordo 1- The Plantagrades Genus 1st Thrus or Bear of these are the following species - The Mesus Ohetos or brown bear of Europe. The Mous Olmeri canny, or black bear of M. A. the Many Maritimus or white bear. Genus 2 the Lotor or Pracoon as the Cancaivours, so called from a crab. Genus 3- The Meles or Badger, as the Canadensis. Jenus It The Gulson Glutton, Genus 5th the Luscus on Wolverine. Ordo 2 - The Digitzrades. Jenno 1st the Martes on Martin of which there are 4 sub-genera. Sub-genus 1st The Pritores. The Furo or Ferret. the Samaticus, the Commina or Comine and the Siberica. Sub- genus 2- The Mustina or Weard. Subgenus 3. the Luta or Otter Sub-genus 4th the Mephitis or Shounds. Genus 2d The Comis a Dag, of these there are the Caris Familians a domestic day of which there are about 30 varieties. It Supers or wolf, the Vulles or for, and the Heyena with others. Jenus 3. The Felis, or bat as the Les or lion The cliques a liger, the One, the Leafeard, Parthe Lyng or wild cat

Ondo 3ª The Umphibians, as the Phoea or Seals of these there are several Species, as the Sea him, Sea elephant to. Macniveris Lecture. There are 47 sumple bother, the compound are more numerous, or these of are ven active, us Oz. gen. Hyshogen, Sulphur Carbon, Boron to hick are simple vadies. Oze pen, Hydrogen and barbon i am vege table matter. · Huhagen adoled to these three un it sometimes a with Sulfrham com Cimmal matter. When two sumple metals unite it is cal Lea un alloy, In all gaseous comprounds one must have been solid, except in gen and Hydrogen which exist in the ain. The Chemical ilomenolature is ormer to, um try the names of the elements of a compound, and vaning its compounds. I gas is a outs can ce perminen the clastic, which distinguishes it from vapour, the weight of atmospheric me some is 14 ths up . on the source mon. The specific granity of almontherie air is 1000, it is used as a standari , a weighing a the gases. Organ weigh, 11.47. Wie is weighed by an instrument in the sorm of a piebe which contains a given quantity or air, and is provided with a stop cocke by sem oving the stop cache a times in here air sushes in and a dillit. in this state it is way his, afterwards it is screwed on the air pump in as hausted of an and again weethed, which gives the weight of the air.

Movember 20 - D. Ports Lecture. The fernen which is a cylin chical bone is divided met it head and live extremities, The hear as the bone is connected with it hods by a neck, on it upper next the great and small Tracharters are sotuated, it is called is own the muscles which are inserted in it and whate the hinds the great trachante is covered in the a tendon of the gluters mus ile, the jeans magnes is user led in the less trachente, the lines as rea is a rough line on the concave in for the benning on the artadisment of miscles, this bone at the lower part is very large morning the two condules, between which the poteria is situated The consider begament which sunounds this joint is very viring Distocations as the come at its upper extremity take, class in 4 day went ways. 1- Allewards and backwards, when it is the aron on the Moracion ilic. 2 - Whom the thyroid hale. In becomes we are to judge from the relative situation of parts from the the following especially, the shine of the chiem, the os mutis, and the greet hoshanta in their natural state When the or lunous is destocated infriends and backenends the light shortened, the toes turned inwand, and the timbe sugar Aconstining in coursequence of when then the acetabulum the , react of the femme is prepared in to the polors. Fractions are distingu wheel some hope tions to the mobility of the link; and by one wither.

In Mitchelli Lecture. Continuation of in Fire. " we It laraw reams on those animaly which have bags on their welly The Jenno Didel whis or those with double women the Godsum inpuriona . H. M. The Opopum Massubratis of Can enne, the Orobeim Canoword of Brasil and the Copum Duosenny, the Gofsum Caramely or Pratanges of New Holland, (12 110 4th The Sines, or Kongers, or Knimer, with 2 nout let in each jaw, near each other and remote from the guinders: Jenus 1st the Hystrie or Porcupine. Jenus 22 ine bavia or Summer Jug. Jenus 3'- The Castor or Beaver. Journs 1 the Mus a Mouse and Rat. Genus 5th The leternys, or Mannot, James 3the Symus a Samuel L'Ablacuevin's Lectine on Moteria Medica. Jonies. Supentinin is frecemial, in digenous to Vingonia. The dued root is aromatic is a pumperit taste. The active properties are a botton resin and Spential oil. it is stimulant, thomie, and chaphoretie, of promoty the uman secretion, it is joined with base on the tywhold state of Jevery, in remothent sever, it is given in the seconday stages of plenery, on furthacted intermittents, is use for a garde in some throats, in Dyspieria, it checkes bilions vomitings, it is contraindicated in instam? diseases. humen : Vingemana, a tome, it is bitter and astiment to the

haste, it restrum colleguative sweets, is given in asthona and in Imonie stages of dysentery. Ungustura Barte is tomic and parine, and is given in affections of the stomach. Columbo rador is tonic and antiseptie, is given in Cholas where there is a redundance of bile, it removes nausea in The now stages of freehood fever - Sentian Lutea, the ras is generally an infredheat of all bitter, it is given in dyspepsia and gant. Quafaia excelsa. This is a very usignel bitter. Howember 22 d D. Posti Lecture. Districtions of the sem. in should be reduced by signif, the , it his by bandages between the thigh, and be making extension, the thigh and les should be they ed to whap the innocles . Fractures of the neck of the remm one distinguished by the action, and preate ino bility of the limbe In seaching of this simble, it knowled be heaved in an hour outal position tion and extension made by means of splints. I'M has only met

one of ortinion that a fraction of this land never unity, wenig to the circulation in the time being intampled, the Trench impross

with one case us a fracture of the weedle of the lumin which he aims

are of a contrain, human. Some times the accetabilion, sacrum in

isonium are recenter by getting him a hight on the prisend

I've trone of the legiare times, in tilea, situan, and frate ha the tilia is more or to a of a humatic form and sur looks the whole weight a The bade, it is divided in a its back and line a hemities, he age in who min is large, and na, in sur certical cavities, or premoid cavities, upa is ied be an immence, it when part is racego, and has many boramina is ince a interesty and in my par part in the meeting the begannet the hatalla the lower extremity is enterped for it articulation with the ban fing. in amountation when the bones are divided near the man tion of the medullary acting before it remoties, considerable remon. unage token wiece, the action must be july good. The dibula is a smaet bone lage et the two aptremines it, nonce nat vise is to macase the undere of the home on the attachment of muscles be. it town exchemity forms the outer surface or one anche.

L'Illiberith Lecture. Continuation of the Slines.

January Myorpeus or Dormanse. Hyberna tion is account from

Martina, winter quality, and has been a pried to animal, many

animals fiels the winter without tolein way had, and are nourished

from the absorption of their own got. It. I'll con hay is the after

mon of philosophines saws that white is the warment orland, and

black the coldest, when not expressed to the ways of the sun, In in

that case the body subsidies it own heat and a white ofour veins at

a difficult transmission, the heat is retained while it it was black

the hect would halo off, this is the reason who Ohumah are aloth ed in white in wente, in those countries where the sun abor not the me for many month, and also the reason why to lack people sufger so much som cold. Jenus Lypus or jum und mouse - Jenus Lepus, or ware and cabbet, some have tail, others are without. Order 5 the Pecora- Ruminanto- These have from stomachy, no whome teeth in their mont jaw, have sup or eig-- wit we ow which are remote from the grinders, they have hoofed see t and tits in their grows. Jenus Camelus or Camel, with a cier! who has life, there are several species, as the Dromeday be, and all unde the government or man. Jenus Alosahus or Williams deer which has a bag near the navel containing Muste and which is used as an antispermore. These Jenere have nothans - Jenus 4 erous, or Lear Landy, which shad their hour every year, and of which there are several speaks. Jenus Ohn tolope with annulated horns. Di Whachever's Lecture, The action of Orangen is the mostgeneral of atti bookis, it never expect, separately, but in its most simple state is combined with Calone and light, it is colombes, tasteles and without smell, when shough, coming sed it emits heat, and apprear huminous, Carbonic acid gas

and Hydragen, when present become inst, but a accorded a. frear huminous. It unites with every simple books, but the combinations are in vaious proportions, it forms an Sports. at part of the atmosphere and of water, tresmation cannot be performed without it, and tombustion never takes place without the mesence of oxygen. It is generally victimes from. black orycle of Manganose by means as heat. Vrygen has a strong affinity for toslove and combined with metallie bodies it jums Orgoles, some order are entirely decomposed by heat a, the red oxide of mercun, some salts contain Ory pen, and Mothe affords it by a strongheat. Substances weigh less after losing it. The uses of Orygin pas are extensive, as in supporting respi nation be. This gas was quest chocovered and movestigated by De Questly in the year 1774, but its various Insherties have been Menowon only for a few years, it is an accepting principle, and is not absorbed by water, other gases are combustibly burn with additional splender in Ory our gas, as is proved by intraducing a friece of hat non, a steel into a vepel sitted with this gas which burns with great brilliancy, emitting shaves in all duections, It body or the residuinor rether after combustion is hear. in their it was before, it in crease of weight is owing to the about ption of Ory pen, On said is formed by the union of an inflam. mable base with Onggen. The Insolueth of Orgen are Oxides,

Reids and Mechi. Flame is a imminous gaseous mother, the effect of combustion, though combustion sometimes occurs without flame . -November 23d Dr. Posts Lecture. The Pate ta is connected to The vence by a strong by ament, its external sentere is conveye, the in. tunal is divided in to two letach sinteres, divided by an immener and appliced to the two condyles of the feman whon which they move. its while hast is called the apay and it lower frost the bear. The us. at the patebla is for the insertion of muscles, that extend the leg, as the rection demonis, cruceus, and the tendons of the wasti interni and agiani sunsoly, which are inserted into its base. Distactions of the Perice fort are very rain, when they do ocen, they are generally in words or outwards, they very seldom take blace bastewards owing to the great strength of the crucial begament, their are easily discovered, and the expect their reduction, it is wint should be flessed to relay the musdis, Fractures of the fistelle are june thy transverse, and in 19 cases out of 20 are the effect of muscular action. in this factures, the base at the some remains in its natural state but the spepis drawn up by the action of the extensor curi; muscle. The limb should be keefet at right and les with the look to relay the extensor curis muscle, and the inflam which supervines, should subside, which it generally does in 6 or 8 days helve translages are applied, a splint should be abbilied

on the under frant of the limbe, and after the mplant has subsided, himseges should be applified, which are of two lands, with of which may be used. one is a long rather, made to embrace the whole limbe to movert swelling and proped round the lenee in the inin of a rigure of 8. The other is me of two cucular straps, one perford round the lower astronety of the femus The other below the sence and shown to can a other by longs in should thep, which as nonmate The pactures extremities of the peterla, the sley or musely of the lower as themity are user ted in the tuberouty of the isolie um and are sometimes hatigued by being leeft for a long time in an extended position, they will be relieved by gently fler ing the leg-Fractures of the hatella generally unt by begament, and 8 wester sho. - wild dapar before walking is attempted. Dislocations is the pate. Ma are geneally inwards or outwards, in a lateral obsection, and are easily reduced. I'Matonilli Leotine. Continuation of The Pecora. Jenus bajua or Joat with hollow hours. In the stomach of one species of the goat stones called Boroay are found, which an rist of the Contonate of lime, it is sup roud to be an autidate to joisons, it so it inerstact by absorbers, and newtralizing the acid porson. Jenus Ovis, with har low, hours, which are to the with a fraufs from the should. There are many species. Jenus Voos or Hine, with hollow horns which are subject to

obsecs as caries, when whom be causing heather fever, emacistion of of these there are several species, as the Bos Towns, incholing Order of the Belline with obtusely truncated front teeth and hasked feet. Jenus Equis a House with several Sheeies or the Cours Cabalis or tame horse . The Asimus or Jackeafs, the Melus or the Morte, the oroshing it in ne ago and female horse, the Lebra or the striped D. Macrevini Lecture. The colour of flame depends on the nature of the combustible body. Sun how de burns in vacuo, this is owing to the Withe which enter sut stromposition, and which contains Orsygen gas We their these three years three other supporting at combustion have been dis covered Fodine, Chlowne and Flowne. Sodine is obtained from Bailla which is the wher of marine vegetables a from Soda Barilla contains a great quantity of Sulphate of Soda. To done has the following prohectics. it is of a howmsh colour with metablic histe, is not and whathe, and easily pulsered, is of an acid taste, and we ware when expresed to the air, it first turns wegete. blestnet are blue, red, and then totally distroys the colour. The word Sadme is from the Jucke, and reputies huntle, which is the colour of it valour; its wohow is heaven than any of the gases,

The is a nonconductor of electricity. It emits heat with some todies with which it writes, but Ortopium is the only body with which it evening heat and light during it union when Sadine umity with simple bodies, the compound is called an Todine, the Todic acid is ashingent and som when mused with water, iti; is neavy that it sin es in con can iraled authhomic acid, which is twice the strength of water, as quick as lead does in water it comes me to the substances, and is an excellent test of a sima a stand in repetably, turning the starch which is white to a blue colour. The corn him a tion which is carned by the union of a wase with Jodie acid is called an Todate. it loves all its properties by being leafest a year though it is excluded from the air. Il pooted substance ineserves its calorie much longer in vacio, than when as posio to the an iloumber 24 th L. Posts Lecture. The goot is convision of the pasts The tarsus, metatassus, and pholonges. There are of tarsel bones, the is calcis, asta paly, naviculare, cuboides, and the 3 ossa curie. come, the mechan, intum, and externion. The or calcio is the largest, and sustains the weight of the body, it has two articulating surfaces with the astragalus, in it porterior part the tend achillis is unserted, it unes part is hollowed out to the hapage of esteries, neives and tendous, it is very your on its lay

thre. The ashaps in is very inegular, and has two surfaces on the articulation of the mallens internes, and asternes pur copies of The tibia, clas two under surfaces for it junction with the is cal cis. The anterior surface of the or navicular conesponds to the ince one conserforme, The open conserforme defer in their rise and have posterior and anterior surfaces of articulation. The os cuboides has ince surfaces of articulation, on it outer edge it has a growe for the rendon of the peroneus longus muscle. Their bones are all connected by very strong begament, and have a considerable motion among when solves, the tassy is conver on it superior part, and concere on it Nower part. The number of bones of which it is composed is of service to nevert requires from fatting, and to accommodate the fast to the mean whiting of the ground. There are 5 mitatars at bones which are conver on their whoher surface, and concave in their motion surface The metatainal lones of the great and little toe are stronger than the other. The three points whon which the body is such ported are the is calies, and the metatorsal hones of the great and little toos, the an-As joint is of the grughymoid land, the bones of the besto not die for from the finger except in their relative length. Distocations of the anche joint commonly ocase mwoods, very seldom outwards Distacations of this your time acts are generally accompanied with pac in of the sibula, is it forms the outer anche, sometimes the pluta is broken, usthout a dislocation of this joint. There are two tening of disto-

cation the simple and compound. Compound distocations are generally Monded with great consequent inflow." and to obvicte the injury is to In the constitution might sustain, some surgeons recommend imme. diete amputation, but D. P. has had three petients, who recovered from This wijury wethout amfutation, by venescetion and the means. In gractures of the leg L. D. jungles the bent position, that is the this? should be placed whom the body, and the leg whom the thigh a splint should be applied on the unde frat of the limb. No bandages or ablists should be a wied untill the inflam. her subsided on no danger need be apprehended as the cellus does not begin to unste entill the weeles of to the facture. I'Mitchilli Lecture. Continuation of the Bellia. Jenus Hip opotamus, or Water horse, this arimet is of an um. couth form. Jenus Japea. Jenus Tus or Swew with tustes, as The Just Surfa a common has with many varieties. Surafula is derwell from Scrafa, for in many countries Swem are affected with glandular swelling be. which was the reason of the origin of the custom among the few of not eating the flesh of swine. The Fofsil Genus Order of the bete which are all inhabitants of the wa In. They have breathing holes in the fore part of the seel, Pecto. na Jus, no feet, and a hongontal tail. They have no hair or

ha les but a very rinooth shin there aremoly shout weter out of their breathing holes. Genus Monodon or Sea Unicoin with an longated mont, these have a single how on their head. Serves Balana or Whole with no leeth, but a horny substance in hen of them. Jenus Physoter or Spermacet Whale with. teet in the lower jow. Gening Delphines or Dolphin with test in both jaws. a Machier Lecture on What Med. Lugara Timarenba astringent and bitte, a valuable remedy in the last stages of " usen iem, a smell close is as effectual as a large one. I wo ton or Elentheria Cascarilla, of a bitter warm arometic teste the bah of which is given in dyshe para, weathert colie, drawhar and the lat to stages so heetie fever. Houmulus Lutulus on Hoops which is a tonic, obmetie, and narcotio, and used es a substitute for Opic -um, it is given in peropysms of gout as a sedative. Here and front are more rare in countries where aide and acid wines are not sharle. Muneral Tomies. From is the most abundant universe production in nature and the most conferred to the her man constitution as there is nothing deletering in it. it cursue! best when given in small cines, and mentally divided which is the case is muneral water, it is a powerful time, promotes diges, thin, and augments the strength of the unsentar fibre, it is your

in weak lencaphlepmetic habit, chlorosis, gleet, palor, objetations notest, and phthisis fulmonatis it must not be given in sanguine. our temperaments. It is always found in the blood of warm blooded animals. I Chapman is of a union that it is generated in the blood but D. M. says that the animal economy can compound and decompound, but not generate. The effects of in on are very lest. ing. It is given in all leachestic competaints. unkied whip are an er collect remedy in worms, owing to the Hydregen which they evolve and which is fatal to worms, the sublate is the most tonie. A. Men fer is an excellent remedy in spasmodic strictures of the wether to soll in it metallistate. The Sulph. Cupe. i a fearengulatorie, and is given in abstract intermettents or an injection in gleet, and a detergent in foul whom. The but. Ammon is given in Catalopsy, but should not be given in this or other navous observes until jungatives are premised. Hovember 25. D' Parts Licture. It head is devided into two pats, the cranium and face the otenth is made of two tables with a substance called the diplac between the internal table is sometimes broken without the optimal heing broken, much contion should be used in tropienmy as the two tables are sometimes in contact, the crainium consists of 8 bines . The or fronting os occelhatis, 2. Maa timbera, 2 a par pranetatia os Nehonaide,

and as etherwoods, These bones are connected by setures of which there are the coonal, sagettal, squamose, Cambdoidal, sphe nordal, and transverse, The ope trigueta are little bones found between the sutures, which are to be distinguished from fractures The carrier is divided into it wines part or orch, or in its lower part or base, the orch is conver on it replan part, the an love part is the smaffest, the posterior part the accident it top the water, and it lateral ridy, there is a depression on the os tempora for muscles De. on the unne part their one defresaions a fits for the convolutions of the brain, a proove for the Constitudinal sums of the dua mate, and unfreshion, made by the arteries of the due mate. The base of the cramum is very megular, and is divided into it enterior, posterior, and mechan perts. I. Witchilli Lection. Herbivorous Cotacea, those have hand by which they can hold their own - Jennes Manati as the Grecies Fichery, or memaid, a Sea man a woman. Jenus Dugang, or Indian Wallings. Fabulous Loology. 1. Wholaken observer, espaggenating and musenty their things, whence hear superts, and Thekenga growing is lands, in they were suffresed to be . 2. Lying Travelley. 3. Viste mouton, whence chunnas, gorpous, centains, grif.

gins, pegaguses, and hafries, 4th Creatures of haraldry as quad - upeds with birds feet, men with days heads be. 5 - Figment of ima pination, as ghosts, apparations, and unreal animal, as devil a. 6 the Hallucinations of the senses, as of the right and hearing, whomee ocular spectra, illusions of the ear, and inhantasms of the senses. Bestes recommended by D. Wite will on Loology. Dumon't Loology. Verment Loology Curier annal langelom. Ouviers Fofail Loology, and Convery Comparative anatomy. This ends the history of The Muinnaha, it is sometimes colled Manmalagy. I. Macreveris Lecture. Ohlows is one of the supporting combustion and is found only in substances that contain origin it is obtained from Manganese, and holy the quantity of Sul-- Johnie acid by a gentle heat it has a pringent sury ocating smell and defineres ati boelies to which it is added of their colours, it forms a ceds with beser. The rays of the sun have great frown in sofracting on you from bodies, which contain it, The oletonating prowder is composed of the opymente of protast, sulphin and charcoal, and the ignotion is produced by the fraction. It is hound that backer hore in weight in farpartion to the one per gas they evolve. Interistateen out of hadie as are other wlown by Chlorine.

Movember 26th Li Posts Lection. The auterior part of the van of the cramium is that part soward of the story and process it is composed of the lower mark of the or proutis, and of the ethinoceles, it has certain framma for the transmitsion of arteris be. on the superior orbital brim a hole or notal cal led the framen arbitale externum rupency on the papage of a formapel branch of the 5th win as menio, the foramen ofticum in the ofthe new and artery . The foramen lacerum an inepular informe for the copage of the 3.4 th 5th and 1 st branch of the out from in newer. In the middle region the -re are the cureform process of the is occupits, the body is the or spriencedy, and the petrous partion of the ossa tempora, The ty lord process is very long and projecting and arises from the apaa tempora, The mesterial process evision the autside, The Hygomatic process of in this region, under which the temper-, ico suuseles page, there is also the framen ovale to the page rage of the of hand we the 5th pain, the glenoid constig in the orticulation or the conolylis we the lower you, who sew tachian tuke on the papage of the air, and the meeting andi toring externes, or home external on hie of the ear. In the firsterior region of the boxe as the oranium is the foramen magnin occopitate, through which the medul Ma spundlis & trapes.

D. Whitefill Lection. The 2d blefor outebrated ani. male. Wels. Budg, ness are oviparous and befred. This science is called Omithology. Buch have in their fore agherity a humerus, radius, who metacartus be The aticulation between The scalula, clavicle, and who is very smile to the human body The sturmen is very large and projecting, and connected by a very fum articulation to the robo which have very lettle motion The length of the neche corresponds to the length of the lower extremities for obvious reasons, bouch have no pubis, nutter do The masticate their food, they have the frown of moving the chrystalline less with freward or backeward to see near or et a currance, also a membrana metitary which they can close at ple asme they have very little cerebollum, The pharyng of birds and in an interferment called , in new, which terminates in the crop or stomach, which contains a is were, that macerates the food fre i un atory to it pa fary through a small portion of intestine in to the great a strong museular or an wine grinds ine food this organ in carmorans buch is very weare. D. 1111. Thinks that lends by motivet sevellow stones to afaist the tuturation of their good, which is contrary in the opinion of Spellanzani, who swapsed they were swallowed by accident, these stones we abmost invariably a much in the stomach of graninous buch .

D. Macrieveris Lecture. Prygen is found in Manual and vegetable substances, and in many maganie substances. 6. Moune, one of the supporters of combustion, is an acidy frying immedile, and farm on exential part of sea satt. Chlorine desgen from Dry gen in this, that it unites directly with metals, whi he Dry pen first orgates them. Oblown is the rached of Men. acid, which is a combination of Chlowne and Tychogen -Chloring is very beary while Mychogen is the lightest body benown Then relative weights are as 1 to 88. Theorine is the basis of Theorie spar, it must have flist in it combination to from the gas called relicated showing as which conodor glass, and is made use of in the outs. Cowa glass with way and then draw or made out any design you wish in the wap, and then be adding The pluvie acid, it could that part of the glass not council with the way. Theore acid is a preculia bear united with Orygen, Theorem is not orymunate acid, as some suppose but a simple substance. Dry muret of line is the great est absorbent of moisture benown. Votapa has great affinity for my pen, and consequently is made use of the reparate it fe-- un books which contain it. It was suffrond until a few year since that Onggen was the only supporter of combustion and acidy fying himaple, but it is now found that there are three others. Jodine. Throwne and Chlorine .-

a Morember 27 D. Ports Lecture. The middle hart of the town ' base of the cranium is formed by the sphonades in it is contained That substance called the intuitor, gland . The 4 chinoid processor the or of henoides form the sella turcica, the middle tolico of the cerebrum are contained in This region. The posterior region is formed by a transverse line, and contains the two lobes of the cerebellim, there is a large for amen in it for the propage of the jugoda ween, also the meetro anditaring interness for the of pain of newes, the or fronthis form faut of the whit of the eye, the fromtal redge terminate, in two macepes carled the internal and external angular nocefors. The parental bones are of a quadra gular figure, and exturally convey, The posterior part of the as occilitis formy the currentown prices so where has sometimes given way under great weight, carried on the head, couring im. mediate death, near this are the conductored proce per for the articular lation of the attas, in this region are inamine for the propage of the got pair of news. D. Whitehill's Lecture. The backline so linds is what and connected by anchy losis. The ribs have no centileges, and They are very confined in their motion, the roise of brick is formed in the glathis in restruction the air hafaes through the dangs out the lever from their sheet is lightness which is required in shing

On they migrate and are subject to great alternations of temmentione in the air, their blood is hotter than any other anima, Is, and they have the capacity of generating heat, and this is absolutely necessary in the act of mentation. Then Westi This a dothing is divided into three sorts. I The pennan guill- 2. The pluma or feather, and 3? The barba or hair which immediately invest the body, have are always yo 10 feather which arise from the humers, and an inde finite number from the radius and who , these quills contam ans, Movember 29th L. Ports Secture. The pontal survey me saturated in the anterior part of the base of the or frontis, in communicate with the naves, whereby the are filled with air in when in severe whole the instand on tends from the noves in to the -ere survey. There survey do not exect at but but are from a) at the age of sup or swen years, worms are very often friend in the pout of sinuses of sheep but very soldom in man The or Inhemordes is divided into the parts its body and the wings on each side, one large, and the other small this bone up tinds from one bone to the other of the temples, the pitengard processes of this home form the boundary line of the mores bolimo. The as to themaidy is as very sponge bone noting

and divided by the crista galli which sustains the xales of the dura mater, the etumoid sinuses communicate with The nones It Whilehill's Lecture. The overn of a bud is contained in the oviolet of the female, and consists of the follow inf fruits. In Testa a shall, which consists of carbonate of Time, and is full of little pars for the transmission at air 2d Mombiana a membiane, respecting which there was a sif. berence of Junior, Harvey maintaining that there was one only and Mayour that there were two, this immediately invest the sholl. 3ª Vesica acrea or an bladde. 4th Albumen a a white, thick, glang substance coagulable by heat, wie which serves for a heal to the fater, and protects from changes of temperature &. 5th Vite Mus or yelle which is for the nonushment of the egg. of the Chalaga a speck, where the begaments unte to belonce the deferent hat of the egg. of the outethe or holes of the egg, ligaments astend from one hole to the other. 8th Germen or mohment, not discermble until encubation has continued some time. 9th Punctum salins, or wital point, when the germen is discernable, and the heart begins to weed. D. M. says that the heat prespirts before the tramen " the most intable part of the body, the bain not very mitable

this class applicate to man. 10 th Embryo, Feter, and Tallan. the different stages of being of the chicke during it in cubation until its exclusion from the ess. D'Macneveris Lecture. Clectricity consists in attraction and Repulsion, or the power which boches have in different defrees of Checkerty at attacking a repetting each other bocker propegany the same state of electricity repel each other; while boing properfaint des sevent proportions of the electric flued attact each other, it being a natural law, that electricity like heat ar ways tend, to an equilibrium, to prove that bodie properties different degrees of electricity attract each other D.M. made The following experiment, there instal balls were suspended to the receiver of an electrical machine, one of the bells com municated with the earth by a chain, which preserved the bell in its natural state, the other two being mon conductors received The electric placed from the receiver, and the two being attact id by the meddle one a surpruf was made, Amba was the on by electric body renownto the ancients, the earth is the great rouse as electricity, where it obspress strelf, and preserves a with of equilibrium, There are various ways of exectingst a, by vicinity, or fuction, which is the means feneally used. boon; exacted are called electrics, and electrics are non conductor,

so called because they do not convey electricity lent retain it, as glass, sealing was and others. Metals are good conductors as is water, whence the reason that electricity cannot be callected in a most atmosphere, the backer of animals are good conductors, owing to the quantity of & buick they contain. to retain I when collected, it must be reperched from ine earth by a non conductor, the prome that booking repel each when og-- wally electrified, suspend two a three feathers over an electrical machine, and they will harf together or account of their speafie gravity, but electrify them and they unmediately diverge from each other, there are two learns of electricity, resmon, and vitreong. Olectraty when collected from the cushion is called Regative, when from the metablic tube of the machine, it is called Positive. D. M. says, that Chenned againty is instably the expect of electric action. Hovember 30 th D. Ports lecture. When mother runs in the anhum Higmonanum. The modelle molars should be us had ed to ousonage it, sometimes Junger shoots not is this surry in from the or with, and it is generally memable, worms are some. times found in this sinus. The os nasi is convey us tundly and concave intunally, connected by the nensure autime to the or fontis, to the as mais Me receiving to the need suture

In greating in the sistula lachymalis, if any resistence is made to the pessage of the instrument it is a sign that we see just any the nead week, as the os unfines is very easily proporated. The form of the as make is quachangular they low the promount "part of the sheeks. D. Mitchelli Lecture . Thy rislagy of the Egg. Exciting now ey. It drema or becomdeting liquor of the male, which feandates eggs we thout which they would not notal. though They are haid. 2d Calone which is givened in offerent way, as by insolation in the ostrick which deposites her aggs in the sand to be acted whom to the sun. a chrowbation. 8. Comme pron of air, air is contained between the shell and membrane of an eff, which to heat becomes isubied and acts as a mechanical stimulant upon the parts of the egg. anoth a use of the air breather is to receive and shimmate such in or may be in me in the chiele. I Mutiment by the in testines which untiment is the yell. 5 the Crypen which is absorbed by the poss of the shell. D. I'M. practices a book of Alay ow whished in 1881. by which it sinears that ne was the siscovern or e zigen, and of its being necessary to The existence or arramaly. Buds turn their effs once in 24 many that the may be surred with vital and, Gy with

not actor in arotie gas, nor when outroved of atmosphasic an . a. Ill. says that about is taken in the encire tion of arriners, and that it is a naturem wite. 6th Matiment be the mouth which is the albumen, which is to lear on non. whenen't agte the yelle is consumed, and the bill council. I Macrownis Lectine. Iwo is the expects of electricity are light and combustion. It prostuces a cold current of an, water is undered summons by it, and attential is ignited by it. , were is a great unalog, between electricity milea louc, as they are contained in all backer, and excited by The same means as friction, and both havel with great velocity, it has a smell which heat ind light have not it acts with more energy on account of the dry ne por the a triosphere in wenter than in any other acason, it accelerates fluids in capillary tubes, as is proved by the following expressment. But a vejdel contaming we to on an electrical machine, it whould have such an opening that the weter should chan a lowly. Then electrity it and the water will run a stream. Clectricity promoty herstmation and evaporation, and gurckens, the circulation, hence the reason why in damp weather when there is little electricity sur boches are so lan poud.

December 12t Lt. Vosti Lecture, he bone of the sown jour has two processes called the command and conch said, the an terior is the coronaid, the porterior the concluded, which are convers and are received in to the flenoid carrities of the os. temporis, there is an interaction and totage in this joint. Distocations of this joint take heave anteriorly, to reduce it the jow should be chawn forward is clean gage the procep, in rac ines or this vone in children, two silver heater should be and hed to ine inner and outer sine of the jaw to movent motion The teeth of animal of you were much in was, situation, and number, the tec to or man are divided into incisores, cuspi dati, bienshidati, and molares. D. Wilitahill Lectine, "ne anatomy of birch is divided

Distribute his Lecture, he and tony of birds, is divided in that the hands and texta. The maked fruit are Rostum Breach, Coma, cer, surrounding the wares, have, mostrils, Lingua, tougue . From, fuchead, Facies, face, Jones, chester, Jenulana, temple, Occili, eyes, Valhebra, eye lids, Galea helmet, in some birds, Pes, including the whole limbe from the head of the Lemm. West too or hee their, to a not mean. The covered for the head, Occibut, Cainta, margin of the bibl, white, crest, Gallum, neck, Unes, can, Tunners, truste, Lorsum, back

Victor, breast, Modomen, betty, Theter, Whopen extremities, as Mae, wings, which are divided into Impennes, or wings destitute of those feather which are in flying. Comments to a prot in swimming, and Cinnata or wings for flying-I comber 2d Sett are composed of the fauts. Bone and Guend They are divided into body, base, neck, and fang. They propely beat Mettle vitality, their en and none, the enamel is very hard to result friction, the lone of teeth is Weewise much harden than The bones, and when once colonied with madder always retains the colour so hich other bones do not. They are timed with a membrane covering the artery, nowe to of the took, this memhave is the sect of pain, Teeth are sometimes united by andry lisis to their suckets. D. Out considered the different from and saturation of the teeth -D. Mitchilli Lecture - Onnithology . Aver or birds obvided into O Order. Luneus. Cuvier 1. Acception. "Osseans de moye. Buids of mey. 2. Char. " Grimheurs. " feet for creening. 3. Capseres " lasserame. ", Living whon seeds b insects. " Sellinacies. " " " " " " puit. 4. Zallina 5. Gralla .. Echafaeurs. " feet for wading. O. Anseres ., Mageurs. " " , swimming.

D' Macneveris Lectine. Mitragen is un clastic and co-Cambelo gas, and composes 4/3 of the atmosphere, its speciore gravity is less than atmospheric air, it differs from oth a pases in not communicating any acid taste to water, The investor for obtaining it are barrous, its two great son rees are the atmosphere and animal matter. with On gen it some nitrie and, it is unfit for respution or combination, it may be obtained from burning phosphory in common air, for it will absorb all the oxypen and the residenm will be Mhagen, or as it is sometimes called and always by the French Azote. D. Mitchill says that it is a pabulum with, and enter the circulation whi . In is contrary to the openion of philosophers who ray this it is received in to the lungs, with the air, but immediate by theoren out as something deleterious, it is however, a comstituent of Mammal matter.

December 3 L D. Mitchill, Lecture. The genera of linds can be detamined by the form of their skeulls be. Order three us. General Procedlaria a Petterel, a such footed water food bill tootalifs, upper your or mandible achieves, but palmeted. General Diomedia, a Albahofs short bill, when mandible hooked, lower one truncated, naves oval, and lateral.

Jenus kynchops, or Sheewater, a majecting bill, the when manchible shorter than the lower. Order Prece Jenus an ceros, or Hanbill, teill convey and bent, Mently frat of the head, bong, get bours, and neterd, mare behind the base of the vill. Order Safones. Jenus Thochiles, or Funning bird, the whom mandeble that. ling within the lower. Duemba 4th Dr. Whitehill Lecture. Wilson the Ohnewcan Curithologist divided Bird, into Land bird, and water bird, as wader, and web footed water food. The land birds wastude The 4 orders of Linners, vie, the accidition, Once, Paperes, and Galling, and the water brids the two remaining orders of See Mre, and Museres. The land brick were divided into the following Jenera Jenera Senera Gracula, Black bud. Unter or l'ultime. Cuculis, Concheoo. Falco, including the hawke tamily, Pieus Wood, proken. Strip owl might brick af frey. Sitta, Muthatch. Lanino Butche vid. Osittaen, Vanat. alcedo, Hinghisher. Cuthia Greeners. Corons, Crow, Trochilus, Framming bird. " non , Hansing bud,

Genera Manda, Lante. Sterner, Starling. Terdus, Mockingbud. Pina. Ambelis, Chattera. Logia, Groß. beate. Himmela, Swallow. Environta, Cropo beate. Capimulous. Jost sucker. Columba, Pidgeon. Embuser, Buting. Meleagris, Juley. Tanagran. Tringella, Finch. Tetras, Cartiolge & Quail. Sylvia; Blue bid. These genera include all the land birds of Wilson. D- Macneveris Lecture. Astringents- Rectite of lead is given internally in hemourhage, menouthagia, chamboa These works in it are subject to colie, parylysis, and costiveness, in hemonhages of the uterus, where it is not invinegnated, in the last stapes of chysentery, and oholera ing autum, there is more danger in giving small doses, than lage ones, which act promptly, allum is given in hemor. Thate, hemapitysis, lencowhea, diabetes, menowhagia, and externally applied to some eyes. The Munate of Banto is given in scrafula, and cancer, The Carbonate of Baytes is horsonaus.

Aqua calcio contains about a grain of time in an ounce of water, it is tonic and astringent, is applied externally in a calch and burns combined with ail, line water and milk is given in an unitable state of the stomach, in dyspepsia, elyan ten, and chanke a. Oregen is very initating to somes. Where. ale of line mitigates leut never aues seroquela. Oneta preparata is given in the dysenter of children. whenever the stook are green it is an evidence of an acid be mis present. The Mineral acids are all tonic The Sulhauric acid is astringent, and strengthers the ste. mach, is given in cutaneous emplions. The concentrated authoric acid should never be given, as it contains the subhate of lead. The Munatic acid is now as a garfle in putrid sore of the month. The Mitie acid is given in the secondary steps of byhabis, chronic hepatitis, and plandular obseases, also used a wash for serogulous rous. Jonies of the Sumal temporan: Mushahous is foun in the worst ca. ses of ty phies fever, and where there is great prostration of ste vital forces. Selatin is another animal substance it is contained in peruvian bate, but not in other minicines which led many to suppose, that it was the acting principle in vaile, and they accordingly gave it in intermettents.

Lecember 6th D. Mitchill's Lecture. 3ª Cafe of Vertebated animals. Amphibia. The science is called Capitalogy from Capetos a relatile. These animals new cold wood paping either through the acutal enew lation while they are under water, or through the lungs, which extend for down into the abolomen. Their steins are wither scaly as in legardo, barry like the tortaine, or makeed as in deals, her have but very attle brain but their newes a extended as tensively mer the body. Toutoises will live a fort night after de capitation, and the heart will best a long time after reheration from the bady. Linners has clivi Ded, them into 2 orders. Relititia or those which have and Supertia or those without legs Order Reptitia Inder Serpencia Serry Testudo a Tortoise Jenus Grotalus a Prettle make " Zraco a Dragon " Joa .. Lacuta a Linard .. Goluba " Chana a traf " Chiques, or Worms .. amphisbuna Cacilia, a Blind maker I win cover in them into 4 Orders 1 the lowers . Intaise 2. Lauriens, Lixand. 3. O. hickens, Superto. 4 Botaciens.

December 8 - I Whitchilli Sectione. Grown 1st he willia. Genes Testudo, a Tatoise which have a born covering. This genes is oliveded into I Sections 1 Section - Marina a sea totoises with lego like fins. 2 .. Thereales or river toutoires with membranes on revinming. 3 " Tenesties a land totoises. Jenus Rana, including the toad and prog. 4 Sections. 1 Set. Busines, a toach with waity bocker. 2 " Rance a page with smooth bashis. 3. Hayla or tree page with feet by which they can dimb a foline of glass. 4 .. Gardata or those page which have tails, of this section there is only one species called the rana haradapa. In this genus un negration does not take wace in the books of the female the eggs notch wie tadhela, which afterwards become frage. Genus Draco, or Dragon, one species only the Draco volans. Jenus Lacata n Lorand, ocely and with four less. 10 Lections Sect. 1. Gracodili, segmented tail. O. Chameleons, change colour. . I. Godata, acaly bodies. 7. Takes, collar come the neck. . 3. Inquana finy badis. 8. Lacuti striked badies , 4. Selamandra, clawiel feet. a. Seing with in bricated scales. . J. Galeones waity boshis. 10. Galcida. Genus Visters. This ferms has both lungs and gills,

I Microvery Lecture. The contractility of the sion ach is cestion ed by over sistention, the act of vanisting current be com dete windent the cooreration of the warmarhon, the liver, got bladder, and other abdominal viscera are confreped and acted whom by the vinamion or emiles, there is a great sympathy between the stomach and other parts, through the medium of the news as by the par wagum, Come his nowner a more or ware accretion from me glands, and also affect the stein. There is a received as how between the skin wire out es ince ordens. In the administration of Gmetics, paricular reform should be had to the whang nersay and newous suscepti bility of the patient, where we work emeties to make a strong impreparan on the system, no drewte should be given . Cometies we given in nausea, butta tarte in the mouth, carolalgea, conti mue Levers, in tennetten to, dysenteries of not chimates to. they are improper in bethove habits, or it openers, defeliction should be premised, as dangerous consequences might would now their administration, such as Opapley, sufiture of bloom ve pels be. Vinuting is to be checked according to its ingency by The following uniches, openin full, but brandy and sufar, wa in famentations, amapusms, blister, and lastly be ofrete injections.

Lecuber of I'mitimilis Lecure. Schothwology. 4- Class a Vitebratel immais, soces or Fisher-Fish breath through go . is, the air is con tames in the wete which is received in the month and yested too the branchid arches. Jish have orld red blood, and a single heart an arte in, wins from the heart to the gills, their alimentary canal is very similar to that or man, him swe have their road whole and have generally no granders. They have an air bladdle which ines have the fower at chilating or combreforing, whereby they in the can clout a sink. Fish are divided into boing and carte laginary, they have like birds one common on that in their acception, and eggs. The fine of cish are chiclest in to pects. nat, dasal, vental, candal, branomal and anal ins. D. M. sans that an is preguently secreted in charact Thants of time human book, as in the bladder be. Macrevers Lectins. The atmosphere is a thin, transpasent, clastic, and invisible pluid . it they near properties are it weight and elasticity it is the prefrine of the atmosphere which retains, huid in trai returation every cubic inch of our bodies sustains 14th of ctimes priese preforme, it is counterbalas ced by the air which is contained in our bodies, the free from of the in was first discovered by Some celli in 1043. The comment

the air in the rushing friend is explained by the fur some in the air being removed, The mean profound by the atmosphere is agual to 30 inches, and varies but little. The Baremote vision revolutions, which is the consequence of it, sustaining a less able must air. Heavy and light booking fall to the ground at the same line in an aphanisted receiver, as was shown be a cent and a friese of cotton the alteration to the earth being the same in both booking. The great profound of the stands have above window booking are so affected by changes of weather be.

December 18th D. Mitchelly Lecture. Fish here small brains, eyes situated on of words viole violes of the bead. D. M. says that the thinks the thinks that ever see with one age only, and ages that the corner of one of their eyes without their beneared for, and accident a they discovering it, one forms was his mother, Fish have agains of hearing water is an as collect medicin of sound, and sounds are conducted much father on the sunface of water than more by through the air as her been proved on laker the taste and touch of fish are not accepte, their tongue is after beart with teeth. The sages are in pairs, and the organs of generation are in the male two testicles, and in the female an overseam.

In a lage cod fish half a million of eggs have been counted. Fish as animalivorary, and the same species feed on each other. They are ovi perous, the female deposites her eggs in the sand and the male afterwards bedews them with speem. Fish are divided into 2 Classes Bony and Cartila conous. The bon, are divided into 4 Orders, which are dassified by their ventral fins Ender 1th Modes, no ventral fins. " 2. Ingulary, wental fins on the throat. " 3" Thoracica; " breast. " 4 " Abdominaly " " " belly. Macneveni Lecture. The Barometer varies from 29 to a lit the over 30, at the tap of the Ander which is 3 miles in height the Carometer uses to 16 pless, and himontrages occur the atmosphere aptend, 40 miles above the surface of the earth, which is benown by the rays of the sun being wheeted at 40 miles above the earth. This is never completely up hausted by the air frum but only recepted, it is very being out, and it is owing to this proper ty that some substances float, and birds the over, body dis. places a quantity of an proportioned to its volume as in re which and heits with its calone it grows cold, as is provedly a thamometer placed in the receiver of an air frum. The elasticity of the air is recover by the less owing as heri-

ment. Whave a bladder which contains a small quantity of an, and which of course is collapsed who the receiver of an air from p, and then exhact the air, you will observe that as the air is cautical in the receiver this air contained in the blackder will exprand it to its full rise, afterward admit the external air, and The bladder will summe diately collapse to its former skrunde states Dr Michilli Lecture December 11. 2d Colars Gartilaginaus Fish . Order 5th Chondio. pleny gows, with calliba ginous fino as the shark &. Order 6. Branchi - ostegens with cover gills. Specimens of Fish . Onder Whodes Jemes Minana, Species tinguella midgario common est, no vental rins, body cylinchically rounded and smooth. - Order Jugulous Jenus Jadus a cod, Species Jadus collarias. The rack cod of the york ug a variefated whom, frecies Jaches tomcoolus, the tomcas. Order Vectoral Genus Labris - Species Labris tantaga, the tantag on black fish, with shalp teeth, D. Macriering Lecture. Mercun, will purete the preson wood by placing it on the top of an ashausted receiver, owing to the compression of the external air It will descend through the receiver in a shower. Water will use 33 feet by the prepone of the six the entry of an into a vacuum causes are explosion, as is prowed by a bladda over an exhausted receive, and princting it.

Emeties profice the way on the remedies, and are applicable in almost all fever, fracticularly in these of hot betitudy, they are generally connected & with a diseased state of the stomach emities break the chain of morbic a pocuation, there is a difference of opinion respecting their at the ability in inalignant geners. D. M. has found spirits of tentime very Consticual in puerperal fever in the done of walt a some glass full. it excites evacuations by stool and persperation. Menstrual blood is not fine blood but a secretion from the womb, it does not coagulate When down comes on very suddenly it is sparmadie, when gradually inflammatory, emeties are applicable in both, they are given in Invoice affections of the breast particularly in performenouse nother, in spasinodie, and humoral asthma, the sulphate of Time is given in pertulors, they are given in dyshepsia foul states . The stomach, chronie chankea, chapsies, the doulevery mains and hema humoralis, and in some newous chierry which originate from a diseased state of the stomach. December 13. D. Macneveni Lecture. Mychofene is a per-

December 13. D. Macnowins Lecture. My drofene is a permonently clastic, invisible gas, and the affect of all bodies 18 times lighter than oxygen, it is an accompable combustible, in its most are file state it is combined with colonic and electricity, and commonst be schonated from calonic except by affinity by minging two easures of oxygen and one of by droper, and has forms the electric

shoele through them the gases detonate and form water which is of the weight of the gases, all inflammables exist in a state of positive elictricity, organ exist in a state of negative electric -city; more on dable books occupy the positive pole of the vol - taic apparatus, May chagen exist largely in vegetable and animal matter, it can be procured from iron filings or from zine by proming on acids much diluted, as a proof that the hydragen is obtained from the water, the acid remanu not at all dimi - mohed after the process; it is inflammable only when access to some combustible when an interse heat is produced, in respection it is negative, and is not absorbed by water, it unite, with orgen in me proportion. Hoy chaque unites in a determente proportion with is dine, and Alorine, forming hychorochi, and hychochloric acids. Lecember 14. D' Macriconi Lecture. The constitution of the an as high as has been examined is the same. My dragen is the gas nache use of in belloons. Atomis Theory. All simple and compan books unte in definite proporting, In instance Illuniate of Joela whethe obtained on made by artificial means consisting the tummete jugice tions, the elements of booker one unchange . atte and the uttimate han tiles of backer are haid and minute int wire not so matter could not exist, in compound badies

even naticle is composed of an along a storm of the compound Pacher are never in actual vintactor of himes by backer being communities be cold showing the were not in contact. 100 parts of sulphin and 100 or gen form Sulphurous acid, 100 of sulphur and 150 or organ count Sulphurie acid. The atomic Theory or doctine of deprinte proportion, was established in 1804 by Lotton, and since that has our received by all Chemical hilosophy the only thing agains this loctione is, that booking are resolvable in to a tone, alle a is are acced and tum vegetable bluco green, Reich are some and tum or jeteble blus red_ L'ecember 15. De Mitchilly Lecture. Phytology, or Botany, the seemed great division of organized and animated beings. Vegetable, are apathie, they propers mation, but no newous system, consequently no feeling. D. Vercival says that they

Lecember 15. 2 Melahily lecture. Mylology, a Botany, the second queat division of organized and animated beings. Degets bles are afeathie, they hope's mation, but no newous system consequently no seeling. D. Percival says that they have feeling and proception, they are destitute of local motion and take their food by intressesceptio, their newishment is taken in two ways, from the earth through the medium of water, and from the air, some vegetable live under ground as some of the order Frings, some float on the water, and some between land and water. Fungs grow an a foot stable, some of this order are called parasitively plants, and derive their subriction from other plants, whence the wood parasite is derived. He

mould that grows on bread and other substances is a species of The parasitied hund. The Vegetable World is divided into Family 1. Fungi Mushrooms. 5. Gramina, Grafow. .. 2. alga, Flags. 6. Palma, Palms. 7. Planta, Plants. .. 3. Muser, Mapes. " 4. Filices, Ferns. D. Macneveris Lecture. Emeties. Specacuanha is a mi ld and effectual emetic, and more certain in its operation than The minerals, there are three heards, the gray, brown and white The gray is the best, it greatest activity is in the reservous front and it specates almost as well in small done as in large, it

the minerals, there are three freinds, the gray, brown and white the gray is the best, it questest activity is in the resinous front and it ofrevales almost as well in small dones as in large, it detamines to the surface, and is given in februle diseases, chronic dysentery, as theme and himoriha ges. Taitantemetic is emetic, frugative and displacetic according to the dose in which it is given, a solution of taiter emetic should surface in which it is given, a solution of taiter emetic should surface from and in supertion in 8 or 10 grams in cases of obstinate constitution, and in supertion in 8 or 10 grams in cases of obstinate of vegetably which decomposes it. Tempeth Mineral in a done of our squeing in swelled testicly. Sulphote of Line is a prompt senetic, and is given in harfung caugh, and when prison, are latern.

. December 18. D'Me to hill Lec time. Fungi grow by a rough foot stall ; and are the lowest in the scale. Whose here a a stable containing seeds at it end, tilies bear their organs of fine. tification on their back, remedy on tama, Granina, their from .- lian character is a long stem called culm, hollow, and divided into joint, of these there are bailey, upe, and wheat be called cerealia. Palme have a single stem without branches but teaves, they grow under the hories, wocar and dago are obtain. ed from the palm. Planta, comprising all those vegetables not included in the sup preceding divisions. I conts are devided into & Orders, The orders are mostly arbitrary. "Order 12 Herbaceaux, those that die in the comba down to the rest. " I. Julices, Smuls of small was as the diloch. .. 3. Subfuties, Anderbrush, as the oram beny to. ". 4. Ulbores, Irees, all those negetables larger than the Frutices. I They are also divided according to their obustion into a 1. thurnal, or those which live only one year. 2. Brenned, or those which live two years, as the parough be. 3. Personal or those which do not die as the trees. I Macroven's Lecture. Suthhur is generally obtained from The neighbourhood of Etna, also from Pyretes which is a com-- bination of sulphur and non, the sulphur is sublimed by

heat, Sulphun does not change from exprosure to the air, and is insoluble in water, when it is heated so as to ascend it forms the I wery, and when melted it was in chrystally, it is roluble in Suffluire other and in oil, it burns with a pale blue colour with a sufforeating small. Inthem when formed outs Sulphu caus acid mercases in weight, awang to the Origen which it recen · ves. Julphurous and contains 100 parts of on them and ong gen Julphone and contains 100 parts of sulphon and 150 of ongen Outp. ac. tims vegetable blues red, and afterwards destroys the colour as Josline. 'h volume of ozygen and I of by chapen forms water, it takes I volume of subthem ated by the gen ins It of oxygen to produce combustion. The specific gravity of sullhur and ongen is 1, 111. Sulphur ons and is converted into subshine by heat, as the water which is lighter than the and evaporator. Sulphuric acid is colombelo, of a glutinaus consistence, and nearly twice the weight of water. Sulphun is 16 times heaven than by chapen December 17. D' Mitchills lectures Vegetables are divided into

December 17. De Mitchells leatures Vegetably are divided into Indigenous, or those found at the settlement of the country. Exotic, or those introduced into a country. Ciconated or those exotics which become naturalized, and thrive in the sext in which they have been transfolanted.

Vegetables consist of three great parts, Padur or root, Trun-- cus or trunk or body and Fructification or gans of fructifica. tion. The Chading gives firsity to the vegetable, and is the me durn of nourshment, water is mobspensible to the supist of plants. The Juneus is naturally perpendicular, in has an inclination to the sun, from the trunke are obtained by obsterent processes, back, gum, resen, turpentine, tar, prohignic acid, and potash. The organs of fuctification. or the apparatus of vegetable generation consist of the seed and then appendages, Vagetation ends where Fructification begins, for where a flower blooms that part never grows afterwards, but the growth is from the parts. I'Macneveris Lecture. Julphunic and formed by burning Sed. John. Sulphas. Sotofois a neutral bitta salt, and chery stablines in small six riched prisms it fuses in a strong heat bailing water takes whe 1/2 of its weight, it consents of 45 parts acid, and 55 base "4 of charcael decomposes it and formy the birt. Sitajo. The Sulphas. Sad. contains of acid and 46 base it is very better, and more soluble then Suffe. Potofo. Sulp. Barytes is made by adding Juli. ac. to our Bary tie salt, a to water containing Bary tes, it takes 43,000 grains of water to depolve fram of Sulph. Bary to.

It is decomposed by 3 or 4 times as much potash, bailed in a strong iron vefael, which forms back. Potats. Powdered Substate of Bay tes is also decomposed by Charcoal. Sulphate of Lime consists at 49 acid, and 51 best it contains water, therefore fuses in a stre -ng heat, it is decomposed by Carbonated Whalis and Charcoals Julih. Magnesia or Epsom salt contains 67 acid, and 33 base. Julph. Ulumenis is a an astringent salt, of a sweetich taste. Decomber 18. D. Mite Will, Lecture, Botany is divided into three 1. Philosophical Bolany, or the Matony & Physiology or Vegetables. 2. Systematic " " " Changement & Classification. 3. Machinal, Diete tie and Technical, the first their vecties as remedis, second, as diet, and the last, their outres in manual actions as tanning and Lying. I'M Philosophical Botory, The Unato one of l'egelably. The ferm or prinction vitale of vegetable is of 5 Last, 12 Server or seed, the fructus of vegetables contained within the seed, and preceded by a blofsom. 2. Germa, or bud, growing at the ride wend of a branch to protest it from cold, that is the infant germ. 3ª Bullens or leally inclosing the gerin in concentric layers as in the orian, it is called by beine reacher, because it protects some cold. 4 - Oculus, or ene, from some negotables having hely to some wearen

themee to an ever, with a cacheal gener Botanical Marker. or cas the hatetas. 5 - Suculus a serout, a gern without Brenned 8 a und excuscences growing on the truck Perennal 4 of trees, sometimes called mokey, because Thruly. They have nourshment from the branches Ocemated 5 I Macrevaris Lecture. Gatharties increase the penstaltic unation of the intestines, Some Phusiologist, have such insed that The somethity of the intesting increases grow the stomach down a wonds, ingatives extend their efects to the obdominal viscua, dimerish the anculation, and lepen the fluids, de Metion from any part course an all lung of humans to the part. The first action as ca meeties is stimulant, their remote exects sedative, during time use dilute freely, in by percethaisis, the less antidate is The warm bath, with openin in a solid form. They are given in bilions remettent fever, continued inflammation sever, typhus repealed every two or three days, in examinata, as measter be, in enjachelas, co wans freegeng, watery astution of where to allay the steh. ing, in scarlatina, cold afresson, were in winter, active cathacties in dysenting in acute cliseases of the head, palay, hydrocephalis, hehatitis, chorea, efulipsy, turning nascentium, hysteria. In maria gufring Jungatives combined with tack emelie should be given.

December 20. D. Whitchilli Lecture. Seeds are divided mito. 1- Millus, enter coat, as the pad of a preamint. 2. Membrana, inner tining, in contact with the seed. 3. Home a pertine for the admir from of air water, and insuishinest. 4. Hitum, excating a nevel whenly the reed was attached to the plant. 5. Corculum, point of life, the meignent plant. 6. Mumula, fortal plant resembling a feether, attached to the Conculum 7. Moste Muni, the root which turns downwards. 8. Gotyledon, vegetable yelk and white fundaning rising huent. Vegetable retain their votality for a great length of time, the only on - tan pray of animal a regetable life being extinct is the commence ment of the furties active process, the great length of time which were table, retain their sus of tibility to be acted whom by their natural stimuli has given use to the theory of Equinocal Juncation. The care of D. Tennant whose fineral was delayed for true clays through the interties of a friend was a strong instance of suspecialid amenation without the intimetion of life, he recovered and lived many years. L' Macrusini, Lective. Sulphun combines with alleatis, and form sulphurets which were called hepais from their colour being unitar to a liver. In the him and Lime Lested have the flower of absorbing hight once emitting it in the dark . Inthinist inita tead mull, have an accid taste, and are decomposed to, all

the acid, the and the hecetotating, and the acid uniting with the ellech You dilute mimatic acid on one of the sulthwester, and authormated hydrogen gas is believated, their gas mue ... view ordensure and is interimme ble, if combined with one pen or atmospherie in it inflowers with combustion it lamisher me the and whaten white haint it is obserbed by water and water oute is ted with this gas reddens we getable blies, and it whosed to the air a hellick is a amed on the sen lace. Substiture thed his dropen gas here a tates all the metablicaziaci except cobatt and a few other pince it use as a test in discovering porson, it changes water containing erseine as a duty of how colour, and is tait emet an orange ved extour. In hunet, can only be recit in a day state, on if they are expressed to moveme, hychosulahe Lecember 21. D. Mitchill Lecture. Seeds are divided into seve. - nel kind relative to their Cotyledous or lobes. 1 - Heotyledons, plants without cotyledons or loves. 2. Monocotyledons, these with one lobe. 3. Decety bedons, having two lobes. 4. Tolycotyledous, having more than two labers. Acotyledous, without hunder, structure cellular, distitute of files and futh ve pols scarcely visible, as the families of the Fings, The Muser . Filices and Miga. They are represented by O showing the cellular structure on a the weforts scarcely visible.

Monresty ledon's tuntes vascular and februs ve bet, and fibes in lein. dles is shown in this representation, the date showing the we feets and the intermediate space the fith which is distributed among the vegach 3. to this division belong the gramma and Jahma. Decatyledons, comprising all vegetables with the Polycoty ledons not included in the two former devisions, trush vascular and filrows, very. set and fibres in concentre ungo, un our dong the central with as is shown in the following representations @ @. Vegetable secrete mille and sugar during their germination as the cocament and bailey. Sometimes animal sugar is secreted as in Diabetes. Been and ale made by the following process, when the bailey begins to ger munde it is approved to heat and dry ed, and is Then called malt, this matt is ground and water added, which forms sweet wort, this won't abserted by heat and moisture takes on the vinous furnestation, to this are added bitter as hop, and sometimes even aloes and offeren from but in a fumenting viste by heat, or the muons liquor noted up -on by the same proces produces andent shouts, the free to called distillation. This spirit is a mentherm for reservous substances and muges with oils, the effect of aident spirits very princions. De Macrician Lecture. Othersphores is a simple substance and is obtained from the calanation of bones . The process is the following Colone the bones untill the animal matter is consumed, then to an

100 parts of them fulueused a led 40 fruits of strong sulphune aced, with If times it weight is wester there when furtiscent and dued a foods a lite the phorphous . Thosphous acid is formed by the union of phorphous with oxygen, it has all the properties of the acids. Oh lowe yas suffert, the combustion of Johorphous, it is deforted by Allahal and ail, is huminaus in the dark and metts under water at the temperature of 108. it is a vialent stimulus, and ungot to be used as a medicine . Thosp. ac. has the the properties of dispoling reachly in water of not being de composer by heat aline, and of forming neutral salts by it union with acidific. ble bases, as the phosphate of soda it consists of 48 too best and of 53 too orygen. Thought ates are soluble in the notice, and muniation acid, and then decomposed by line and ammonia. I hasphoretted his chagen burns when it comes in contact with atmospherie and this accounts for the lights seen in churchy and, which a bound with this gas. I northour is sometimes given in the does of 1/3 of a grain. L'exember 23. L. Mitchill; Lecture. Oppendages to such 1st Panins no han to mant the seed 2? Stines a stem. 3. Ala a wing 4th Muson mut, The hand substance covering the seed. One wical the about at the Monocoty ledenous ream, when the moust way or by justing it in water. I' Vellicula or soum, a brand using on the top 2'. Muchago, a mucha se, which turn som one becomes unegar.

3ª gluten, a paste, which also uses to the top. 4 - Muy lum, starch, in ficula, which is insoluble, and remain, at the bettom Michanical devision of wheat, by guinding and boulting into faven a or med consisting of the two following houts. 12 Pulvis, a Flow, the how dered hart. 2. Turper or bran, the huster part. Theory of making bread 1st Olymic, or unleavened, made of water and grain, the in extre - cated from the water gives this bread considerable sim sings. 2. Junic a lesvened which is made light by yeart. In the to mentation of wort a great deal of carb. acigas which is the heavent of the gaves remains on the tot, which is ceited barn or yeart leaven or emplyings causing sumentation when adoled to the daugh this funentation is incinechately started by the purceoford haveing Jumpoke leaven or dry yeart is made in the fallowing manner. To meat of maire add water some hops, sweet at the in hum, Kins, then apply a people degree of heat to make it furnest, while permenting add more move then benead it until it becomes it - fr. astawards day it gradually in the sunstance and make it into whites, by marstening it any time afterwards it will cause seemen - tation. Main and rice are obstruct in muelage, which is the reason why they do not make good bread. Coffee stimulates the newous system without explainting it, and is very represhing it string theirs degestion.

I macrocini decture. La atives, VI hain. The me is obtained from the sends of the bother warm one set frouts, or by com ne seon ine last is the best, when this oil grows remail . To manges colores ... actions; such and mild and is given in the subule stage of hysen-· ini, cholera un intum, tarmina, fules, to lim, in women, in isste is disquised wine by represent water or corner. I have sich not near - in as well, and is juigenelle where forsons have been taken. Flower of dutahin in the dose of 31 or 31 is a mild engative, acts when the large enterties, useful in chronic whereme time. Illa nessa is a simple carth, and acts as a layative whether it meets with on and on not which is not the case with the other earthy, it is shootly or since from sea water, The calcuned is medeable to the carbonates It should not be combined with days Jat Polas. Ou bon or char. -cont obveates costivenes and is a howerful autise the in on one hair a nade spranced twice a way, in fatich when ations of the fances, in entid his en arges in dy sentery, the chareast in this conce is fatich when and buint it is the best don to fice. The Mental as is are way it laws. tives in februle a fection; and in chacases of the head! wathanties. Whubarb in a close of 3/ a Zi is an effectual cartaitie and it, operation does not weate a geocuse dishers tion "R. When is an excellent remedy in dystrapsia. Rachy Jalana et ac. - weity de mendo on its resin. a very effectual frungative on choise is a combination of Jalah one bremon Jasta.

I ceem on 24. 2. Whitehill Lecture. The anatoring of a regetable tunk exemilatified in a section it descriptedonous blanto. 1st Machilla, with the cintral part, soften than the cest. 2. Lignum, wood proper, complete wood, himba. 3. Albumum, sap wood, meample te wood. 4. Cambrum, me went back, that which supplies new best when denies 5. Liba unner back used formuly to coute wion win a stile. 6. Costers, base hoper, used in manifactures and in pharmacy. 7. Chidemis cuticle, covering to noteet the time h. Animal stems we my fixed for tanning by macuation, the tanning the back unites with the gelatin of the skin. The several hunds of the hunte are the pallowing. were A. Caulis, hunte supporting the Course, and glowers. B. Culmo culm, peculiar to grapes. C. Jeanfrew. trunk sur forting finitizication. D. Peduncalus, footstalle, supporting for ting fur tification E. Peto this footstalk sunnorting the leaves. F. Frans, a species of trunk, a substitute for branches. G. Itipes, the base of the frond. H. Hamus, branch, subchvision of the hunde. La Macnivery Lection . Vaibon or Charcail when fune is we thout taste or some It, and for the most can beauce

Twhen air is welusted. Dearionds consist of industed curbon and hopofs * great repractibility, and are very combartible. Carbon absorbs all the acids the lower the tempirature, the greater the absorption, for heat macross the stasti cite the absorption defined on the por osity of the wood furnishing charcoal Carbon forms the greatest part of animal and vegetable matter it is found imbedded in the earth, and is then cilled coal, and is obtained from freet, resur, and oils when inhure it contains by chopen, and is of great use, as buel for concerting impune water, and sinceting metals, mixed with non it forms steel. Carbon burnt in on yen gas converts it oute carb. ac. gas, and is of the some volume and weight that the orgen was, this gas is called choose claim on account of its and ocating quality, and is found in low blaces is will be it is a horson and untit for respici nation or combustion, it is obtained in large quantities from chalk and marke by the acids, its shearie gravely is much greater than atmos. where an , and on this account it can be have from one vefact to ans. the the same as water, immediately obstitacing the atmospherican be, it greate gravity of immechatch, extrigueshes flame. Escenda 27. L. Mitchilis Lecture. Julia or up ponda per of l'gr. table, sometimes called pripes consisting of-1. Stipula, an appendage to the lead or footstalle supplicating the leay. 2. Beacter, floral lear, sup in the other hedincle is the flower.

3. Spena, Thom a sharp spersoner of wood. 4. Mouleus, mobile, attached to the cuticle as in the use. S. Centhew, tended, clashing other object, to support it, as peas, be vines. Objandula, gland, a creton, duct of vegetable, the same as the seal on the one by of horses and some, the desease, if some one by ohering this seat. 7. Pilus, han ixero ton, duct on the surface of leaves. Count Rum for dis covere that sharp fromt of any substance placed unde water in the on A the nun evolve bubbles of orgenous gas. 8. Subis, down, exceeting due to. L. Macricianis Lecture. Carbon is insoluble in wate, under joes no change in the most intense heat is a good conductor at electrici ty and a bad conductor of calone it destroys all relows and is therefore made use of to handy water and spents ins to de how them of their disa needble stavours the recon why water occomes ideal in carter is that it decommens a horton of vegetable matter charcoal has a shore argue to for maisture. Muntago is a composition of carbon and non of which lead reneils are made it is a food conductor of electricity. Deam ond is very combustible but cannot be metted . Carbon uniter with by chozen forming carbanetted by die gen, this is generated in stagment foods, which is deleterious it burns in contact with common an, with organ it detonates, it issests in coal incines, and is used for lights in manufactories.

December 28. D. Whithitti Lective. Ing nescence of l'égetables or Their made of Howering. 1. Ver tie thus, whent the manner in which thewer runowing the stalk. 2. Racomo, chesta, Howers growing in clusters. 3. Opina, spike out in this fruit trication in the end. 4. Commbus, counts, resume whom a number of Castalalles. 3. Jasciculus. bundle. faststakes in bundles S. Cantilum fuctioneation in globular heads. 7. Il mbella. ambel, is called from a fancilation blonce to an un tr il'in or nese we venom my out their rasonous qualities min ve atter On domestication as in the canot, harsnip &. 8. Cyma, cyme very nearly resembling the umbel. 9. Pannecula, hannicle. 10. Thyrous, bundle, when share hannicles. icares A l'exctalres. Toice are considered accordine as 1. Surprice, or a contatable with one least. 2. Compound, a footstelle with more leaves. D. Leterminate. The relation which they have to the ilants. The reason who, reaves tall of in autumn is the substraction. valore at that reason, it they do not love their leaves they are called Sembevernal, or ever meins, Flowers are the quita time o - gans, and leaves the restinatory or rans of helants. L. Lawen such hosed that leaves were furnished with arteries and veins, ha famp

Through the footstalle to cary them their nourishment, D. M. thinky that Oxygen on ten beth by the stomach and lungs and also that Obrote en ten the cuculation, and is as much a pabelin with as ongen itself. in restriction on gen unity with the carbon which is evolved from the hungs, forming back ac. gas, Tome contend that Orygen is taken in by the stom seh alone. Many animals applear Munimon we wich is owing to their parting with their redundant light D. Maenevenis Lecture. Carb. Potafa is communed of 317 acid and 68 2 here this turns vegelable blues green and of everses with and Mercung abando man, time, it butte or tout ac gas before it be -comes so turated to prove the frinty of Whali, just determine how much acid a given quantity of acid will take up this or a standard. Then asterwards by this test you can chosesver the purity of any alkali. Sub cart potato deliquesces in the air and retains its Carb. ac. gas at the highest temperature it has a strong alkaline taste, more cart, ac. gas man, be united by compression sorming the Brearb potago, which is the best autacid that can be used, also In the effervereent diaught, it does not deliqueace in the en out requires com times its weight of water to deliquesce it. Garb. Joda consists of 42 acid, and 58 base with a double quantity of acid it forms the Bicarbonate of Soda. Carb. ac. gas has a strong affinity for Ammonia thes, bath west in a guseous state, get their union

forms a solid the Carbon Unmon. Tal Uminorial consists of Ommoria and Ministie and 2 vol of alkaline gas and I back. ac gos comes the Sub carb Ammon. this loses some of in weight by approsure to the an. Carbac. unites also with the earth, as with Bayter coming barb. Bangto which is a posson it is commores a 22 reid. 78. base, Charite and marble are Carbonates of Line. Lime water athach Carbac. gas from the atmosphere, which Lams a court, and afterward mechatates. Lie and Magnesia is made by facing barbac. for into magnesse by combression it is an excellent medicine as a larative. Lecember 29. In Mitchilli Lecture. Simple leaves differ from and other and are divided into. 1. Gucamscriptio, the outline of plants. 2. Ungula, angle, the prominent haut, of plants. 3. Sinns. counterpart, the wheth of angles. 4. When, the extremity or front of a plant. 5. Margo, margin, or lateral border. 6. Superficies, surface, who her and lower. 7. Substantia the matter of the two sides of the lead. Compound leaves we such as grow whom one stable. 1. Structure, articulated, degetated, binated, funnited be 2. Then degree relative to the composition or subdivision

The Determinate leaves are develed thus 1. Locus the point of moution. 2. Teles the deposition of leaves on the hunte of thick a sparache 3. Insection the place where it is insuled. 4. Directio, whether adverse or oblique to the sun, or houzontal. tructification of plants, a complete that flower consect, of Thats. 1. belig, flower cufe, 2. Corolla, weath. 3 Stemen. Rive. 4. Pestil. 5. Vericanfrom, molosure. 6. Semen seed. J. Receptacio Sum receptacle. D'Il l'acreveris decline. Warner ou of de ferent kends. The lo caus is generally found in the rectum, the lumbricus in the smaller intestines and the linea which is sometimes tin feet long in the whole tract of the intesting, I lydetich are also arinel, and are found in of - fevert parts of the body, the are transparent bodies, D. M. was once called to deliver a woman, but instead of a futing a bunch of hydetich were extracted, There we two opinions respecting morns some supprosung Them token in to the body and other that they are guested in the body D. M. is so the lette owner the me found in almost even frant is the levely, and eften perforate the intestines. Every thing that wer News digestion favour their production and children and females are The west subject to them. They produce local and significant the isfeets, and diseases caused by them often Soume the foring of nauses,

or be, vertigo, chilefing, believes vomiting, and flere the significtions a worm are swelling so the abdomen, atternation of looseness and con-- shipation, emaciation, inequalor pulse, fatiel breath, stim, stools, duy cough, tenesures, stoking of the wose and any and many anoma - long symptoms. Unthelmenties act in disterent ways, some as horson, some as ovacuants, some mechanically, and some indirectly, that is by streng thening the a limentary canal. - comber 30. In Mitchill Lecture the Caling on slower out is or seve ral forms, and is This named. 1). Freanthium, se trated at the base of the flower, in bracing it. B. Imstroum. flower out precution to un be bliferous blant. C. Umonturn, real y lower cup, containing the freche intion. D. Spatha, hewhai to palms, onion, be. E. yluma peculiar to grafaes. F. Galyptia, freewhen to mopow. G. Volva peculiar to funge. 2. Corolla, wie ath, he colsured hast which consists of one or more petato, carled il blomane talous and Coly hetelows. 1. Hono relation, of one petal, which netal is divided into Tuber, tube, or it, wifee fast, and into Limbers, limbe, or it, lower part. 2. The petalous, of man petals, which hetalo are divided

into Unguis or claw, that fart attached to the plant, and into Lanuna, or its of handed hart. Monopetalens plant, are de weoled according in the going in their is tale in is for ampathata. resembling a bell. 2 Infundibuliforme, usen bling a tunnel. 3. Then gens resembling a laughing month. 4. Verson sta. 5. Hyhoon to forme, usembling a salver . 6. Rolata. like a wheel. Palyfutelow plants are called lapfiellionacea receive bling a butter the Flower are called Lillaccour, resembling a lity and Moraceaus from their resemblance to a rose. I Macroveris Lecture. But two viets into a scale one contaming a solution of alkali, onione of acid, and equipose them, then my the two together a bush experves conce will take place with an ex-- treation of early ac. gas, then weigh them and you well find that They have lost a great deal of weight. Boton is a sum ple inflammable, with one fin it forms Boi ac. which is a hard white su istance greasy. Boron is insoluble in water, is of a greenoh brown colour, no teste, neithe fiest ble nor voletile, is sole ble in other and oil Bracie ac is the sedetive salt of Homber. by fusion a hans parent gless is funes. Son ac. with salifiable leaves form, beater. In b. box soil or common borage has a style the taste and excluses in the an it is used as a garfle in little at children Vote far has a strong affinity for fine.

January 3. 1820. D. Illacouring decline. I de ist, are very Outrain boches on an appregate state They are somale books they are the best conductors or electricaly, and good conductors or be--love, they com here with organ forming order which are of a dute colour, and heaven than the metal from which when are goine , has me 39 metals divided into O Clayses according to the executy for Ozypen. I Those whose notice is dubiany. 2. These which absorb organ of the righer. Temper time I. There which about one one of the hegain tim recotine is not decompose with without a red heat. 4. These which about my gen of the highest temperature but do not about water at all. 5. These which require a high temperature to write with ory gan. O. These which do not decompose water nor about orygen. Thy neal mader his. They are soud . The common temperation of cept mercury of chipment colony of a recestion water de himing in then rown of repracting hight, a raque, dense, 10 are dutte is 13 buttle the ductile nave tenacity, and their streng in defend on their linacity, treey oligher in their handres . Metal have clasteats, and sonowsety in suspention to their hard ruft. were are most orcicle have lasa mi smell, the structure of Metal, is vanans.

Theme cal higherties They are fusible in obtain telegrain of heet, some are infusible some are volatile at a night lempera ine in most in anines. Te backer will not burn in hier hydrafter or nichagen. in burn with various, colours Hances. The atmosphere consists " 2/12 yen and "g thehopen, "Ratural State. Then are very seldom found have, they are found in the four for Mowing states. 1. The metal. 2. Ory dated metal. 3. Combined with combin - libie, as with asserve and sulphin . 4. Metablie salts generally the sulphure, I hove, phosphone and carbonic acid, with the match, their uses are very extensive. No mation wer become crowbired without the discovery of the metal, preceding it. January 4. L. Macnevini Lecture, On the galvanic battery Motos burn with defferent or lowed planes. Filos burn with a green plane yet it is not ray dated by its combustion, Some combine with on you by mere of home to the an they down ready at direcent temple natures. Water is the great ory disa is metal. Wil across contain on gen, hence they say date metal, the whie and ony munation acids are the best very divery as the effecting of their bears is no great. Equal weights of metal well decompose unequal parts of hy cho gen. From has a very strong affinity for orangen. Weich elicovoce with metals, out not with oride, because oxides are a heady swithed with one our . Organistion is a simple combe

nation with one gen. Some metals require more on few tran + they. We tak unite with ore gen in definite proportions, and offerent order of the same me lat regime different degrees of acid as Comos. Sub. and Calonal. The quantity of acid which melals require to ory date them is in proportion to the organ which their oxides contain as oricles contain different quantities of origin. January S. L. Macrovenis Lecture. Unthelmen ties. Valy radium illes, male fern, has an astringent bitta taste, nanseous smell and is deemed a specific against tonia the patient should be grepe. red by an anothert ghota then take two or the hacking of the have dered root of the year to be given in the morning with some short ca. that is afterward, the tomain generally up helled by the spirt dose, for Olaba the cure do ponds on the shought of the cathantie the patient ohs - weld eat every, for the wown with attack the wetesting if not. Those who live whom inchion grain are the mist subject to lumbricus, then one air, dangerous, as they sometimes pregnate the intestines, they are Requestly rouded by the month and array. The Cabbeje bak is the most carbain remedy in lumbrier; it is the saile of a tree in Jamaica, though solom preson bed. it is quen in different forms Decaction Zing the bake a quant of water, sweetines with ruger it is to be given in proper tion to the age of the patient, until nan - sea is produced. Lime juice is the best autidate when nacotie

invisors have been laken. Dolichos Juviers, cow itch, the hair substance on the pad is serviceable in humbrei, a cothactie to be given afterwards, beloved should always be an infredien I in from - gatives for worms. D. M. has used the Dahehas with great suce up, it action is mechanical. Mugelia, frink roat, is a good va migue, a womit should be premised, and a lapatine fever with it. Chena poolum has a better teste, and is active in a mel love, the whole plant may be used. D. He buden relates a case of warms cured by enormous doses of salt, after other remedic has facted, he took two pounds of soft dipolved in a little water in less than an hom, which in duced stranging and other comple - and, the next day he took the same quantity which indued the same complains, but his other complaint, was gradually med. Tim is a good vernifuge, it spection is partly mecha - meal, and it outing are also owing to the hydrogen which is gover out in the intestines, if sulphur is present full how theil by - onogen well be formed. From filings also give not hydrafen and the are good vernigues. July have the in conjunction with fern west is ward with prest surcep in France, afterwards a close of Can. to sil showld be fever. Januar 6. Dr. Maeneven; Lective. There grave is of baches is determined by a comparison of the weight of one baily with with

to it must be of the same butte, as per example a cubic met of water, and I non, would be as I to of Distilled water is generally made use of to ascertain the opecific grants a booker, any substance weight less in water than in the air, because water unot prepure, the obtain the specie are gravets of boele, by fust weething them in the air, and afterward in water, and then dounde the weight of the book, in air, by the quantity of water displaced, and the quotient will give the specific gravely. The L'a lawing as recement was made in an nychautie scale, a piece of metal was fent in the occle and we had in the an, it was it was 115, then it was weefhed in water, and its weight found to be 100, new to find its reading gravity, devide Hot weight in an by 15 at los in wete, and the quotient will be the sheaping rawity; hence when any defleutty oc. - cu, in distinguishing metal, in some resemble each other in colum be, were may determine them by reparing to tobling shewise grantis do good the speaking navety of fluid, but fill a ve feel with distible water, and weigh it, then fill it with the liquid, whose weight you wish to ascertain, and weigh it, The difference of their weights will give it sheeifing county; and the made is to immerce it in distitled we to, it speaking cauty will be detamined by its relative weight to the water. The Hay charmeter is a greatested glass take to weigh hours. The goodne of acids may be determined by their shewing quanties. Temperature must be attended to in determing the sheatings with of direction, In they are ranked by heat, and condensed by cold

hence ex herimin to ag this reince are ference the made at a temperature - him equal bulles of them, and ascutaming their relative weights. Ottmospherie an is the standard. Light substances are weighted in water by attaching weight to them. June 7. I. Mac neveris Lecture, these 114 tob That a that water were the air, and about heat at the ordinary len perature, of these there me manjunise, Ime, non, and his Manjanese when un ted with non in Allanfanesia, . I consert as 2/3 organ, it is a a grayest white colour, a no caste or smell, very buttle. Spec. gear. 8. it is more qualle than ion; a me il addition of non makes it magnetic. it changes colour in the an it has their definite oxides the force topide, dent opede and her opide. Uninoma so heates uen crom monfenese. The heechetate of pertopides is whote one of fear - opides brownesh. To obtain ong sin from manfunca strong sulph acid must be added and heat affithed, The mole of any metal to become with the in seeds must have 20 fearts ony for in the ma nortion of wor hat, the per and protecides unte with sul John ac. gaming substates, Manganese maker white hear tates with alkalis. Manfanese is made use of to a betain ony gen and also chlowne, which last distroys all colony it is also used to clear glass, and involven. it and truit non is in whom by the

green freconstate is nich it grows with the fruster to diatest Zinc is abtained in com since tion with out when and or yen is specific gravety veries, but the best is the lightest, it vaydate, in water, but not in an hence it use to cover house, it de comboses water evolving by chapen gas. Fine convents it into The vaide, which is heaven than the metal by the absorbtion of ory you, dine unites we the chlowne forming the chlorete of rine Conos. Sublin. consists of allowne and mercuy. I mover 8. D. Macreveri Lecture. Direction marcase the sention of the Ridnies, there is a great afferrety between certain on cherich and our even organs, house mechains, produce cathairs, churesi, &. Muchains, have peculiar howers on obliguen t wants of our backer. We have a astumlow, lower over the bradder owing to the consepon with the sympathe the newe . Some suppose that there is a more duest papage to the blir in then Though the acculation, for the wester of dops have been hed and yet, we can dunking a large quantity of water they perfect whousely the come of asecter los catha ties maces this supposition; for the of land must have been token with by the him has her of the in testing, this. hapage is sul resid to be by the hymbol their total in and weld mine sion increase. The obscion, a of wine, as obser a teacher. The sense billy of the bledder in red age is more obtuse than in youth. Rollo suppose ses the himitive seat of disbetes to be in the stomach, it is own;

to the unafamilation of the Good. Drohned hatents whenld dunk facely. There is a great sym pathy between the skin and kidmes. Montal salts are generally lapative and chinetie, and are mywerous in all mucous checkarges as in cotanh and gonownea. Dimeties act in two ways either by himmo and absorption, or maissing secretion; whatever homote, her instion dimanioher, the seartion of wine to increase it then its thing and cold ashersion on the fulls, The activity of the about ten a hear to be in an inverse proportion to the debitity as secretion. I werther exacte the action of the hympha the system, honce their use in dropsies, in obsesses if the whest they reduce the activity of the motion. Particular dimetics. Polapa. Sub cart, fortafo has considerable howers. Fart Petap is much be the, and duf. Jat. Ortofic; much more active than either. Met. Pete to. in the dose of 31 in 24 thours is a from ful chine tie, with fale it Lany on hydrafopue much used in dropsy. Sput lette Mitos is a very good climetic in the close of 3/1. go an actualt. A decoction of heaven wat is a very good domestic dimetic. January 11. L. Macnewini Lecture. Jean is the most abundant of all immuch and exect in abnest all fifeil, also in animal and regerable matta, it is at blush white alon, it spec, grave 738 in Mativo use is cligible and abluta, A combines with oxygen, in heat and an having a great afferity for it. Pray for combines with

it in two per trong the protogede which is formed by burning non were in ory pen gas forming a black powder, and the perojecte which is a brown. - wish possible. He time or des of non are very numerous. Ma fretie ous of non contain a small quantity all ony in, they are onicy by met with in from the forms. Visid are converted into metals by chareal it absorbing the vay pen of the oxide, and farming the carb ac pas, Satts ag non become red by upposure to the on from the absorption of more vergen. salts formed with the perosedy do not huptel. - love . From unites with at lovene forming choosate of non, non wine burnt in obtaine gas going the perch lorate of non. Jachne also une tis, we that. When ac. of for her the per and protogride. Such how under work non in two preportions comment the black and yellow out phreets of non . Own pryutes be up frame to heat and invisture farms sulphate of non. Sulphiniciac. une to with The protopide, in the proportion of the said and one non and by heat com, the Suth For. Ony out themets we obtained by the persudy in oblite municitic acid. Thesp. Fer. rotained by Phosphone acid and um . From unity with carbon, forming carbonates of non. Ithen One fair acid is added to solutions con tamif non which is pursuole the preceptate is blue, if protopole white, this acidisan excellent test of mineral springs containing non, forming a litue colour, Hymoon the him tog Ummonea is another test forming a black colour. They stallized tin is made by washing it in delute accept.

January 12. L' Mitchills Lecture. Continuation of the parts of a flower 3. Stamen or cheve is devided into 3 parts it is the male organ of the vegetable, the three parts are A. Tilamentum or foliament convers mountainent to the inthera. B. Outher a secreting organ of the pobler. C. Peblen, or secundating dust which colours. The plawer. The author is the vegetable testis, it secretes the vegetable semen or hatten, me telen or fecundating Launa varies in all flowers. Mosture causes the auther a to limst with an approxima and at the same time moestine on the semale or gan attacts the hollon They maisture is the medium of secundation. The Pollen is give rally yellow, and the falling in large quantities from trees in high comely has given use to the stones of showing of burnstone Lathing. I thatablum or hantal is the female or pan of generation, it is diveded into there parts. A gumen the lower part or immature motiment of the fatur contained in the vegetable wherey, B. Hyly which is analogous to the Callopian two in women carring the pollen to the vegetable where, C. Stipma, the top of the style, receiving the pobless. . Ducastra ting the male organs, in we potably, or taking away the Lemale organs no unprequation takes place, this proves the sex une motion of Alant. Where both organs ex est in the same

Coralla or baling. They are called besqual or humaphrodite They are called make or female plants according to the artuation of the generative organs. Macnewer's Lecture Soil. mant or squitte is a stimulating Simo tre, it acts also on the lungs hence its use in hydrathorarp. it is more e queacions when combined on the bat. it is abplicable in cases or chopsy ansing from vesceral obstructions is a los given with the newhal salts. The isst is the mechanal part, it is nauseeur and intensely withe to the taste, and very acred, it should not be given in large dose; to those subject to humon hard, it is spiral -cable in all pulmonic a feeting unattended with my lam. in cases of chapion a tended with this tinhe may be joined with it, it is 4/2 stronge in a dued state than when recent belevicum autumnale is very acud mits recent state, an our met and much are hepares from it root it is given in gout and humation, and is suppressed to be the basis of l'ear modianale, a quack remedy used with great success in the stone complaints on France, it is found to be an almost invaire ble remedy in pout, and by many imment physicians in Infland is considered a specific. Lobelia sy philitica has cathar the und olimatie que to her, and was supposed though without any goundation to be a servedy

in the who is w name it name. Ligitaly purpose, Jopg love, the leaves of which are general by made use of they are botter, nauseous, and accord, and should be gothered when the glowing are just shering, Digotaly prod -cer ail the specets of the narcotic passons, and it wis tidotes are the same ara blister on the stomach stimulants be when it once huaduces dunesis, it continues for several days as filyale om from mucury His a very surjular fact that persons under in shouse at this medicine while standing have their few lace at 140, while setting at of, and of they he down then hulse gads to 40. Lightalis ach more has ticularly on the absorben. motion, and if an excellent remedy in drokey. In Dawin Journ " must benegeeral in honor witended with de hibits or brough on by intemperance. La Beololaer considered tain remedy in phthiass it is fever in substance Surpentine, and Balsam. Cohawa have also ohure tie qualities and are fiven in gleet. Can Thanky or Sharesh & her are churche, and are from wither in an bytance or timetime in admiatory swellings at cold leur phologonatic habot, blomen agt to parturation are of ten subject huntary, ohe boling of warme, and coasthaudy given in temath, and applied of teins by in the foun of a litiste to the humaum affect a cine.

January 13. L' Whitehill Lecture. Continuation of the organs of fugitification in plants. 5. Verican prim or seed repet weich is in different forms. A. Cahaula which busts deturnately to let out the seecs, that is into regular parts as the Datura Shamounon. The hereash in the form of eapsule consists of 4 harts. 1. Valouta, that hast between the division of the perconf. 2. Discommentum, a part scherating the chambers of the values 3. Columella, the central hours where the valves unite. 4. Loculamentum, the chamber or place where the seed reside. B. Tiliana a day hereash consisting of two valves which have a partition between them, as the must and seed. C. Silecula, has the same constitution as the subqua but defles in shape. Home of the soliquose or siliculose hiant are faison. - our, the autiscorbute wants are of this hind. D. Legumen, a day person, having no se timm, the seeds attach. Do to one side, when deturnedely as the bean, peado. E'. Concepticulum, funcarf splitting open one side, showings hast houroutably obvided with the seeds attached as the plusing, F. Duna, a hencash without any value inclosing the seed as the stone front, the peach stone for examinte. G. Comum, a valueles pully her can, inclosing a carbante with its seeds as the alkle, guince be.

H. Bacca a valveless succeedent percas inclosing seeds with out capsules as the good being cumant &c. 1. Itrobilus a worder periburg holding ine seeds . It the confina or come bearing hees are of this hend as the hime be. J. Popo, a previous having a pully substance containing the seeds as the water melon, squash be. K. Amantium a here can a with the seeds laying in the put to as the lemon, orange and lime. Is. Follier his, a hereast the seeds of which after its busting are suspended by a thread for some time as the cucumba here M. Syncarpios the dig. The percent which becomes enlarge forming the fruit . The seeds are in the centre. N. Canoparo the frement which is where the huch adheres to the gram as banley, vice to. Jaman 14. D' Mitchilly Lecture. Continuation of the parts of furtification. Here placellers is that part in which all the parts wente or are joined it is divided in to. 5th front. A. Receptaculum Proprium, the receptacle peculiai to one flower as the apple and peach, under this head are the Recen quetificationis, or humaphrochte plants. heref. flow, the male plants where the parts unite. heaf fuction where the feats unte in the female flants

Recep . Suminum, receptacle of the seeds up in the fune apple. B. levefelaculum commune, common to all plants divided into Umbella a umbell, a common recepitacle. Almbo thoula, or little umbell, which umbells are divided wite Simpley where the umbell has onto one centre of divergence. or Composita where there are two or more centres of divergence. Cyma, an instance of compound receptacle. Spadus another instance of compound receptable. Compound flower have a caly simounding a common recep. -tacle. Moting Lappa, buidache an motance ud a common re--coptaile. A boin colo un instance of dongated receptable. The Semen, seed the of hat of furtification has been already described. The fallie aced is a product of disease in heer, and is an as--cellent test of non, This with sulphure acid. maken ink and we should be very earful that the acid is not too short lest it should destroy the paper. I. Macrowing Lecture how is of three heards . Cust non which is of live heads light and dark alound the light alound is the most buttle . 2. Forged non . I Steel which is a combination of un and carbon. how is formed into steel by burning twith chanceal in a neverberating furnace, the charcoal being a boor.

- bed by the um. If non is heated and their suddent, coaled it becomes very hard, the texture of non is gibrous, steel is to mi - nated, to distinguish um from steel, drap any acid on the out - stance you wish to test, if it is steel the acid day not depolve it owing to it hardruft, if it is now the acid depolies the non and does not leave a shot which is the case with steel Stammen, tim has been known from the remotest against we mentioned by Moses it is sound in the state of an oxede, and is obtained from the oxide by chareal, it absorbers the oxy gen The justopide is obtained by ammoria. There are solid as will as I huid acidy. The Spec grave of tin is of which is seven ting the weight of ory pen. Chloste of this made by burn ing his in in the towne gas. Cay Muniste all this is obtained by bid. - ung tin in Make Munistie acid . Victormunate of tin drop. - ped in a solution of eachined dams a light sealet precipitate it is used in the object of selle. Sulphur unity with tin in two presportions forming the protosuthhurst, and beauthhur latter has two mounting of sul Cadriena is a motal which has been discovered very letely in 1814 in Line, it Spice. par 8. An madney no change sales when heated when it forms an oracle which is soluble in acidy the order Cadmum.

Conway 15. D. Whitchilli Lectine 8 hait a Vegetable Truckification, Med seriem or nectare; even hart mat mele ded in the fregoing dion ptions, it is an excessence from the Carlla which is in ale Chent cours, This ends the considera lin of refolable gums. Journa budy which have been wheredy with lained is Wanting in some one the Capea and Thumasa. Deciderous where they agreet and all of as the with and rapples. Folishux, non flower, but mochen leaves but not flower To higher et y loutera, bearing both dowers and leaves as most helydo, the is common to the peaks a to as, we retar Folisher et glourere distincte, have query me one lived and te aver on another, as the poplar and we how. Tolingan et flou fere famme, having leaves on one lend and simale glowly on the vine, Folistice et flori sua masculina having leaves on bud, and male Clowers on the wine. Buds are a succedancum to recen up were table like in the meany fail as it the pollen should be list be wind be If non moeas the occular is one tree into another it will be--come part of it which is called in ventation, they unte throw the the medium of knowhed we petable quices. Fratting is one the mode of moculation by mouting a thing into a

thee this is the mean of obtaining a variety of dents. 3ª Bulow, bulls, which have been aheady up plained All butbour roots will prow in consequence of the accurishment They contain within their substance. But to are divided into implicated, tunicated, and solid, The Austan beards it outo may be used as thy prometer, water shorters Their fe bus and of towards by oliging them the dibres clonge to be which they more in strious sheeting, This simply the consideration of Mysiological or Michosophical Botany. I Maineven's Lecture Lether this ties or solvents of Calculi. Ostewhy is relden and except at the commencement, it has been executained that in the Hospital, in Durghe one in dive the from the spartion of stone funcions the men, stone are exhasted from women to the dilate tion of the weather . The forma tion of calculi in the de Secont on in taining inme is undefen · lout se aux specific action. Instancy we wended of the organi-20 tion of one beidnes being distraged and the other free army the More of both. Some times calcul me downed in the beginnent in me this in the shape of a turnel, am extraneous mother taken into the bladder will be a musleur son a stone, they are it tim mustaken when in the weeting and prestate gland a since one, of the canal. They may be distripueshed by the

sound, The symptoms of stone in the bushies are a long iontimed fram in inin which a freshest and discharge, and won. tually a destruction of the organization of the kickey, the great. - est frain is felt in the hafsage of the stone through the water a bruse colouned rediment in the unne, a retaction of the testi-- ce with a number of the thigh. The much ious of stone in the bladde are an itching and hair at the extremity of the heris, a sudden stoppage of the usine when it is flowing. The tendency to form stone is generally preceded by an impair ed state of defeation, as flatulence and acidity, Ill calculi me de positions from the wine. Their colour and spece grave dif-- der they are of oh fevent kinds and are divided into-1. Lethie a Thie and which is of a brown whom and smooth it is objectivable in the causticalkalis, and in the Mit. ac. Gouty persons during their paropysons generally vaid a large quantity of little acid in their wine, Lithie ac. a hours wist, more or less in the une and it is this substance which forms the sediment in some fever: it has a cid properties in reddens letmus paper. 2. Garthy phosphotes which are white and fueble and when pulversed are soluble in the Mit and Mur acids. 3. Ammoniaco. Magnesia. phosphater a compaind of Sumon . Megnes and Mash ac which is of a white whom.

4. Fusible calculi are a compound of Ammon. Majnes. phos. and phospecale they are more easily pulvered than any the calculi, and it is this subolance which is found in the Junger of gouly persons. 5. Mulberry calculi so called from their colour, they can. not ag the Calate of lime, and we not soluble in aceds. 8. Eyotic oxide which resembles the triple calculus or Murinon. Magnes phas and is more soluble than any ather calculi, barb. Ammon enter into its composition of course it contains orygen whence its name. January . D. Metchily Lestine, 2 a frant or the course. destimatic Bolany. Thrangement of liquially in Wayses, Evan, Genera, Anchies and Varieties. The Lumean or Lexu as his tim adon'ted from which the Olapsiquation is made. Orample to sup in the desinal sustem. Manta Declina out Diocous having two beds, a the male and semale flower in deficient parts, the most common motance is the Thumber Lupulus, hope the sunage is another motance where the male & tower is on one part, and the funde on another, also him's and palm their we of un ples. Mante Monoclines or Monoicons, plants Laving one bed, or one on different harts of the seine plant, instance, indian corn, cueun

the melon family, squasher. The Lozmia Monatica power on I the banks of the Wheligan, it is an excellent bread come called is wold nice by the Inchang many thibes live whom it it produces ol show aneous howestr, it grows on the banks of the siver, and promide ses to be an excellent su ortitute for motion com. Beosper felants have been a hearly described. or Sexual Denominations. Flower having anthey are male, 6 the filament is sometimes wanting, Hower having stipmata are female, the style sometimes wenting: 9 Flower having another and stigmate are bisequal. of Clants having male flowers are Male. on Clants having finale flower are Fernale. Can't having both male and simale flower are Obisequal. liants having male and genale glower distinct are called Inchogymous. Willows of this country are all gemale. Plus to having Besegual flowers on one part and make a female flowers on another hast are called Polygamous plants. Analogy between Amma land besetable organs or punction in a cisiqual plant. Analagous to the Ondenda externa. Gorolla Mympha. Filamenta Vasa spermatica. Testes. Unthers

Sollen Spenna. Unalagous to the Aligina Os uteni. Tubus Fall opianies. Stylus Germen Ovarum. Semen Ovem. Pericahum Mens gravedies. Vegetables in differented over the stabe by their seeds in varion ways as. 1. Currents of an Seeds have been carried from this country to bu rope by their pappi and ala. 2. River and streams in instance in the first medow grafore Conneticut which dust prew while the remains of a buil were found, and ag towards was obshiteuted by the Conneticut were. Another mortance is a prafo in tis quia which only grows on the man gin of was as high as the tide rises. 3. Currents in the ocean. Seeds have been carried by the full shear to the Western hart of Comope. 4. Illigrations of men, instances of this are all the garden tolants, coffee, inclian com and all the exoties. 3. Reclamation from a wild state. O. Pappus by which they are after comed through the air. M. Ala by which also they fly. 8. Claricity of the contracti.

January 18. 22 Mitchilly Lecture. The Capariciation of Founts is dounded on the parts of Two tigica tion in 4 points 1. Rumerus, the number of the haits. I. digua, the digue of the distant harts. 3. Situs the situation of the de frent part. 4. notion tie, the relative proportion of the harts. with our witing of blants have been rejected and been considered uncutum then are not therefore Protonical maries vin 1. Colour. 2. Smell. 3. Jaste 4 Weight 5. Magnitude. The hart of Fruetification are of the have the tell owing Jours or machageations vois Caly has I mochfication Corolla , 2 Stamen 3 Protill " Lencarh 8 Leed ... receptacle " In the System of Linney Plant are divided into 24 Olafay not including the Palma, They are called 1. Monanchia, wants having one Stamen , two Manune as the days 2. Decandua 3. Inandria is bread con

4. Totandria having com Stamer, as the Dog mord her. 7. Heptandia, seven Hamens. 8. Octandia ... eight ... of Emiandia ... neve was the family of the Lauri. 10. Dicandica .. tim .. as the Evergreens. Mant never have eleven Stamen in a natural state it they are met with they are Luci natura. 1.1. Dodicanchia commehend all Mants between lucher and twenty they are very inefular. 12. Icosandia having twenty Stammy a livary situated on the brim of the Caly, as the cose, apple, peach and the sunt, also those which have more than liventer Stamens actuated on the lein of the Calype. 13. Solyandria, having more than twenty stamous but noton The Galys, generally on the Receptacle as the tulip hoppy 14. Lidynamia, having fam Stamens, two long, and two short. D. Maneveni Lecture. These Wheth which do not about we to at all and a that Bay ; in at a high temperature only, there are live of these, one is Prome which is generally allamed from

a mine in Bohemia. The Chinese we it in sighthilis. Observe is allained from white arsence or as is generally called white or side of arsenie. When Carbon and an oxide one heated the charcast . bon bo the Oregen leaving the metal, The Whation black & lus is added to assure when we wish to subtime to cetain it as it is very volatile. The metal is of a bright steel alow, very buttle its a fee grave 8/10, very volatile, oahour emits a strong garlie smell, when melted in the air the fumes are white oxide of arose nic aroung to it, athaction for oxygin the motal and all it, com. rounds are ventent poisons the motal has a dolated lamina. tou line time, and has a strong appending for longen goming two comfounds Olisinous and Observe acid, which have a som taste are soluble in water and unite with other motals, branning roid is of a whote colour, and capable or being formed from com. - bustion of the metal, its spec. grave 37/10. acrid taste wie of a nauseous sweeting . Charine practices in cland and gan. greene in the stornach, and is fatal when applied to wound honce it ought not to be used in cuncuous affects it dos act, on the Newous system for it sometimes causes death without inglam? The remedies are emeties copious dilution and every thing to a boeste inflam! assure is distinguished Jeon Cours Sublimate by it almost insolubility in water Jain obtained with the Asservan acid are called Observetes, and

from Otroenic aciel Chamiates by bailing allhabis on the carthe, with the weily. The fallowing are some of the lests of avenue. viz Il roin tion a thousante a doisa, and a solution of Sulphate of come together form on apple green precipitate the best was, is is add to the solution of eservice some solution of potash and the add some assences acid when the offile green precipitate is from the carb potato Com, a bught green frew sitate and The sub earl hotels a hale green freeightate. On aprening the stomach agamine the willow coat of the stomach, and Then examine the contents which should be shown evapore. tea. Mit. Potago. comer caustie when brought in contact with Insente of patesh is decomposed, that is both and in are mie of silon is formed which is fust a white and afterward a gettow new priste. Sull huretted hurchofin is another test of asserve, it of ours a wellow precipitate. In controversies however concerting processing mathing should be rehed on but The reduction of the metal which is they offected. Out the suchected thants in a tube of glass and then close which is easily done by heat, then subtime it by heat, the white from der sa ould the be thrown on a hot non, and if a farhirmet is constitue it is a some test this must be the metal house a for The whole one ary not emit a smell, allester or a haneast must be adoled to absorb the cay for in it.

Chamie acid is obtained from 4 pats Munstie ac. 24 pet Matrie ar and Mornous ac. the oxy par of Mornie acid and these now acid is as 3 to 2. with allestis and eartis it forms Oh. - seniates. There are found several natural Moineates as the bremater of non and copper which are sound in Conwell also the Usemiates of lead and cobalt. January 10. L. White hills Lectine. Continuation of the Classe, 13. Tetadynamia Laving me Stamens 4 longand 2 mont. 16. Monodolphia, and the in his sunted in a culmoter. 17. Leadelphia tim in her nine divinet one to strell as the nea. 18. Toly dellahia tamen wering in two or three chesting. 19. Syn genesia love distinct Hamen aring from the boulla Un. They un ted in a extinder, common balyip and recentaculum. 20. Gunandria, male and demale , lower on the some nece tack. 21. Monocaa, male and semale & lawer se per a ted. 22. Diacia, where the harts of que tie cia tion are on distinct pla. nti as in the heinth. 28. Polygamia with flower modering male and also remate, also bisequal as the ash and maple. 24. Contato famia, inconsticions hauts as the great families of The Filies, Junge, Alga and Illusci. The Valence me not included in these 24 blasse.

formary 20. L' Whitchilli Lecture. Of the blafse, are mostly taken from the male pails of Fruelification, so the Cody are chiest, taken from the finale jaits. In agamining a plant first look at the Homens which will give the blats and then at the States which will give the Cooks. These are the broken vir 1. Illimograma Lavin 2. Ligyner luce 3. Trygynsa Three 4. Tetagynia Jour 5. Ventajuma five О. Дерадуна sug 7. Heptegymia 8. Cotagyma eight Polygyma The number of Pestil is counted from the base of the style and when there is no style, from the base of the stifma. In the Ola's Didynamia the 2 Order we taken from the figure or the nistil as naked and covered seeds. These having maked seeds are immakeable for their aromatic and medice nal qualities. Those of the Order Angeas/erma or covered seeds as the Ligitalis funhence. for flowe. In the blas Totadynamia the 2 Preder Siliguesa and Felica . Iss we taken from the condition of the seeds.

one Orders of the Classe, Monadelphia, Luadelphia, Polydelphia, Gunanchia, Monocaia and Lincia are taken from the male hauts of Freetification. The of Cider of the blassyngenesie or Compound flowers inc token from the John parmy which exist in them wis 1. Tongamia Equali, the finet, all equal and fertile the contral part is called the Discuss or clise, and the part surround ing it the Radius or easy as in the dande him. 2. Polygornia Inherflua, Hermaphroelle and futile Sinet in the centre or dies and female florets in the cading winch me also dertile and therefore superfluous as the lange B. Inhy gamia Trustanea. Herman modite floret in the disc and neuter ones in the rachery as the sun flower 4. Och gamia Mecepana, Herman hachte flowt, in the Fine but banen as the mangold. 5. Solypania Seprepata, the planets superated by partial calyres or hartist catypes in our common catyp. I' Macrieven's Lecture Chown to og potash forms precipi lates with almost all the salt, with the salt of Manganise a reddish brown precipitate, with primurate of non a brownish preof. with the protogicle of non no precipitate is formed at aust. The home ted by de pen is a test of assence that 31 Sulph Mutimen

and Is subjetunic acid into a retort, the neck of which leads into a solution of anseneus acid, then a juply heat, and subplurethed by dogen paper wa and mupon , with the solution turns it of a lemon wellow colour. Thome unites with Chlowne youring while ate of arrance which is a white deliquescent compound the extorine should be prefeed through warm water a about 90 or 100. Con cold water abords it the Oplante of ensure is also formed by uni ting 6 harts Munia, by chang with me Usenic the locate of onse me is of a buty accour consertince since it is sometimes called butter of assence as antimorny is in the same reason who laste y usine is decomprise by wete forming Mursti and from the liberation of hydropen in the water which uniter with the chloring. Hychogen is the lightest of all bodies and decomposes use wie though it is a very heavy metal. If a bubble as ony gen gas is passed into he hoose have ted hickopen gas combustion is procluce with the works tion of heat one light. Therence une ter, with Jodine fring the Tostate of wisonio. Wisinie and dulphun unite form ing her hunates of Reserve. Enfument or the yellow such hu not in assure is as horsonaus as the motal stack. There is class a Sulla hinate of Mesenic and non. There is no Carbonate of assenie Thus when has been used as on untidate to Musonic suprosing That it would new to live it best it is found that the Kulphon cate of arione one equally presonous as the metal itself.

Muserie form alleys with the metals. The white oxide of arsence is generally made use of or a conson and it is a common test to bear it between boppen ig it is the white orside no white stain will be mede but suist the white oxide should be reclied to the pure metal by bur ving it in charcoal, and then by burning it between coffen a white stain is left to the union of the two match driving in a clon. Chrone unites with organ forming the omic acid Omomicans wenter bases doining Chromater. The Chromate of potash is of a yel. low colour. The Chromete a silver is at brown whom. The Chro. - mate of lead makes a bentiful gollow by ment which his swine. seded other frants of that erlow. The chromate of lead may be min -ed with the carbonate of lead without having its colour implaned it will however delete it. The ine raide of Ohrome is red. January 22. I. ist in his see me of to day so enoused fee! that he was unacquainted with the manner in which imprepration taken place it is supposed by some that the setures weever the seed and that it is taken who by the Falloguen tubes in from them received by the Crearia, now in the first priace the rides of the worn b adhere or are in contact, if the umen ments be received into the interes how is it to get into the Giverna? the natural action of the follopean tubes is to convey the efo when in negnated into the when it it comes the

somen to the atoms it must be by a retrapade action i jain the live na are attached to the broad befaments which are obuf heating of frein toneum and the Simbus are considerably below the oracie, suffere however the tuber should be wested and the finitie imbrace the Evana there is a covering of the Cours which would inevent it justage different frats of animals as teeth and bones have been sound in the Evania with out orbitation having taken intere the egg also is a strong instance to prove that the fatis may be comed without whileton. Minstruction me hary the broad and womb for im negation I not supposes that blood his a extel friend the in this he epe es with Hunter who says that new vefacts will be formed in the blood to can on the inculation this is his principal argument. Tell contined that have new refacts are much elongations of the the refeel, and that is wounds new respective never formed List says that there is no communication between the mater not and datal parts of the Macenta for the Decedus divides The true horting, he showed frehanctions where the injections had not a faced between the two in trong of they ever hap it must be be extrasation or untime of the decidua. D. Morach maintain that there is a obsect communication that is that the arteries of the mother and their blood to the Meenta and is taken whiley the ven, and that nyections nave peped between the maternal no fatal hortrong. It is a fact that there will be with hemor

the go from the mother if the end is divided the cord auses from the full feating. De Post also supposes that the Meente performs the stice of the lung, in decembering the blood. It should be mentioned that one opinion is that in impreferation the semen is total up by the absorbent, of the vagina, maye, with the blood and as some must peop hirough the overice it might act on them and make them evelve their ova, this is somewhat pleasable.

Destruction was their is somewhat pleasable.

of game are somewhat uncertain in their characters and nava been rejected by some modern Botonists. Is find out what a plant is such examine it character to bind it blass and then it fide How may also deturnine it ferres and Theries in this manner. A magny frying glass is necessary to evanime the minute parts of a in ant. The character of a plant must be determined by it, flower. When you cannot draw you may delineate I lant in this moune. Fale some good paker and oil it until it is hereitated with it by which it becomes hansparent, then hold the paper over a lamp until it is smutted with charcoal then ilace a least a suy other iaut on it, and it will attack the gream soot and leave the im. inepron. Insect have hartenlar plants on which they had and leave their eggs, then the tentler is showest universally Sound on the sennet hence you atten henow that you are in the

neighbourhood of hacticular plants by the insich you see. D. M. recommended the following books, on Botom, System of Vegetables by the Litchfield fociety one of whom was I Danoin. Genera Mantanim of Linners in Latin. Rich's Innohois of American plants a very useful manual. 1, Two len bergo Catalogue. Muthali System of the Genera of Month American plants who to the year 1817! Det when wheating of the brain took occasion to men-This the theory and such posed discoveries of fall and Shursein Their sulfine that the Medulla Oblangata is the seat on the sinces be and attempt to prove that the Wiedullan and wontial heart as the brain an inchending the Cerebrisis and Cerebellion is an a spendage to the Mechella Oblongata and that certain makes or congregueations of the external weult indicate certain incommenter or show dishistion and mental capacity. In close not counder that this deserves any consideration. The bearing made up of Connection Comentions matter and a & Micarollary or whote matter. Where the beain is Cortical exten is a in it is medullary within and vice versa. There are ten hair merces auxing from the brain and theirty from the Midela Frinalis. The Madulla Shinah terminates in a but the of news, called banda Comma.

I Macneveris Lecture. Will the approvatus that is newfrang to determine the defferent lands of Calculi is a Crow, up which may be a glap or bress, a candle, and a small pair of long, the vest we . made of platina because it resists fine. We calculous fratients disaloge more or less and is you can obtain a has tiele of the size of a pinis head . It is sufficient you distinguish them in the following manner. 1. Lithie or this and which is at a brecoust whom, very need give. relly of an roal sigue, fut before the view rupe it our becomes flat, then blackens events a recubiar oclow, and burns leaving an Wheeline asher. It may also be distinguished by its solubility in caustic alleali which is effected by a halying courte head which deferbes it, the residenm may be me a pilated by wery and into a white produ a chop a two of Milia and on it will depolve it turning it of a fink colour by mugine it with water it will give it the same colour by then adding an aview the colour may be taken away. 2. Thosphate of lime does not guse before the blow hope, but it first blackers owing to the combistion of the animal matter then it whiten, it is soluble in delute Municipacid. On late of Minmonia will decompose and found a price putate. 3. Aminion. Majores. Presidente, or triple calculy which has two bases united to one acid the Mhosp. it has a sharkling chargetalline a frearance a few has ticles of at bount in a gentle heat

emet a punjent sinell of thismon by actoling carretie folish the summe smell is given out, by the heat of the blow fupe the Ammon is volatilized, leaving the Thosphate of maj nosia which is wo libbe in deliste acids, it may be recomposed by adding themme 4. From ble balenty so called because it fuses before the blow fune et a moderate heat, it is a compound of hime and majoresse both a which are injusible separately I've may separe to the lime and majura by the oxalate of Minmon. This Calculus is while in all the acids, expensity the Munitie. 5. Mulberry Calculus which is of a brown tubercular appear ance . . consists of the oxolate a time, it appeared and effluesces in heat, turning into a white substance. This is proved to be an alkali by the usual tests. Of bystic oxide. This is chatinguished from ather calculity being unstratified, and while both in acid, and altealis. Compaund Caluli may be distinguished by the confusion of their results when analyzed, Calculi are un organized substances havenpro life and are Therefore subject to the laws of affinity. The disease of thone may be metitated and the further propers frevented though of cannot be used when very for advances by motion. Calculi most commonly met with are the Ohosphate of time, the I nest hate of Majnesia, and the lettic and. The conthe

sult me soluble in the sphous weid have the reason why it is alw wyo yound in wine If were be supt wo or the days the dumon neutralises the Phophone reid, and the earthy salt we must hight in whition but Mumon Mapris Mashhaite is formed, If you and an askali to some shearly aboundingwith it a Inecipitate is lowner this may also be a lest of the proprenduence of an weed as in that case a mantity of able a li might be added and the super abundant reed would neithe lise it and when precipitated . I would be an andence of its saturation. The two great Chemical frience files to be a timoled to are when Lethic acid is present illealizabante be given, when the Carthy of hospitates are present took rusuld be administred. Some dany the conveyance of either said a alkalis to the bladder, but any me may prove it on humself by taking ableating a two or three days, the wine will be ableatine as may be groved by the usual list. L. III. thinks it is conveyed to the minary passages in a more ducet way than through the in-- culation. It is more objected to de toet a cids when achumentace as the wome is always acid but Ille Brand has discovered the Mun. rate and dulp home acids in the wine. Alleans independent of their solvent quality when combined with Efrum south inita. tion. I difficulty occurs in heating compound or loub; but you may agten by examining the sectionent in since determine is hat medominates and act accordingly, In gravel especially during it

hap grave I during their peroxy your, The administration of a frum and trusten time is often followed by the discharge of Lothic acid. Calcular, as keations are raid to be more frequent in cold countries than in warm ones, perspire tion also retaids the forms time of calcular, hence the state of the stain should be attended to.

formany 24. D. Post saw that limber when hie nant have died of humontake without the childs sie wing. There the atomy one the meternal part of the placente with be expected but not me portal contion also weret ter for unibilical vein and the extact howtion will be injected but not the maternal mant. L' Du sted the following case. Il women whom he attended had the would reme town of mequancy until 5 months then in consequence a great datique the minh tom; of fulfrace, ces ed one way no longer suisable of the steering of the child and her wholomen wante was ensedently en carped before to dimenst in rive, me thought she must have been mistaken. 5 months a cla ward, me con so menthy non conception she was taken with la som haing and was de hiered it a child evenilities, the went abremance of a sive mon this aboution, there were no symptom, recombination . The membranes were matinal, and upon actack he lacenta the usual himorihage accurred vision " That

The cuculation had been corneil on during the last live months 1. D. W. exhibited the fater and minitiones to the Claps. He also mentioned the following case which was communica-- Led to him from the Southward. It shild, a guil of where years I was to seen with grain in the trowels, and a vin some time whe a siched some platted han from the rectum, at length a tumor , resented at the rection and was to less int, agarnines and fund to contain a mant of a child as the head, currical vartebree, and four canine tieth which were of the usual sige in the ister, as in the deliver as their she regained has health which ohiring her whole lige had been very in firm. I Thousand the facting one teeth. The suffice this was a case where one owen was enclosed with. in the one of which there have been reveral instances, and that one prew to the ordinary since while the other, owing to described maures men . soon houshed and accame a tracked to the other and in shocofo of time was observaged . I I showed the prefer eations we were the um hi head and had three lenth in it. De White hill, Les time, Exercise on the Hand flower her x Mexico which is a very rare tie. Class Monadelphia. Gide Pentanshia. Genus Chron thodenshion or Manata Succes Ventadacts lon, it her the pollowing if art. 1. 4 a hor - none until in Bractia is so called.

2. Voro da monapetalous, sampanulata, persestent, acim quefed, the obvision obion; and clothy. 3. Lamen, were, mosth and avoled, somewhat unequal in length united below in a continela. The they abling, wary, setu a ted on the back of the folament, and swite than the Istel Jem elevated, oval, one rioled . the injular, is the on layed curve at the top, and vante than the filament 4 tipma sin · fale and printed. 3. Tenerife a weach, co houte, ablan, a thin treat, having the sing time laber, five celly and can excavation, around the form. O. Herefitale housed like the Cansule, to which is a corners. y. Leed, ten a twelve on each loculament, oval, smooth, running, black, with a small on Lineal pland near the base enwraphed in a sort of Lan. 6 breve tion . It has considerable winterfaire to the Bimbay din Enguese of given Tea which ames from thema. Cas Palygania, Cido Minogynia, y ences Thea. I wais Carry . Senanthim suingue has titum, minimum, ita . num, segmen to rotundes, attusis, of persestentin tiling. Govalla pelala ser subrationala concava, dus asterina minora megualo, quotion interiora marna, equaha, ante quam decident iceiva la.

hamina Filamenta numerosa (cicità 200) viter comia bos. Ma breviora : On their condata bilocularis Jeinen globosa. Listellum. Stinly similter spice trifiely he tales stamini.

leas taksis recodentes. Themata simphicia.

Lincarpium valisaia tribus grobes toloculais, aprice triLisium deliscens. farum deliscens. Semuna socitaria, probosa, entroisum inquisia. receptaculum non est description col est mobstmeton. i brewation in the lea plant. The ceaves have an unarginated shee, a vin intie base, most, glo so, bullate no putalated, footstables very short. permany 25. It Post recommend, in ofwing the temperal aring to make a confitudinal meision instead of a house. use one as is usually done, Maunels of the vein are selden danguaus you can desting wish thein by the colon of the blood which will be very deate coloured his faire generally comme nos them. In her taken up the external chine action in anemien successively also the carotiol in wounds of the hands when difficulty occur in stouping the personhage wath the radial end whom artines whould be tied, the hand will not swith jor of well be supplied by the interapeous

arten. The same ariplies to the fast, the acteries of the hand as also ag the fact an as tomore very freely. In Venesce tion The mechan rein is mentable, for the orters were unch the bankie, and the cephalie is unested in so much loose cellula substance that it might elucle the tance! The Suherior and Inferior Misenterie and Phlane very unite in the abelomen to four the Vina Portarism yet Alle Munths relates a case where the above very gormed a common trunk which intered the injenoi bava The live was surplied by the hepatic acting only. One theory respecting The frecular circulation is that on the faters the liver which receives the bload by the ductus venory weaterns the impeters and inevents its lace a ting other parts, it is however untere ble for the lever is a very busble organ the ductus venesus becomes elliterated in delivery, the other hearhantie, of the latal anculation on the ductur as teriory, a dust between the in humonay arteri, and the acuta, and the finamen orale or communication between the two ventricles of the heart, those also become oblituated, but the remains of the gramen onate are an haunt always in the heart a the adult. The use of the framen wate is for the circulation between the venticly, that of the ductur or teriory, that the blood mught we sent through the lungs and body at the same time.

D. Mutchilli desture, Exercise on Jacolamin or Sujan cane. ne of the framina Class Trianchia. Onche Diguma. James trockamen. balyy - wone the being merely a down long a water the clown mo hading lout a simile plower woralla tomabe. The valves oblowf. I tamens. The capillar is lament, inthey romewant ablong? . rotil, Jennall shaped . Stifma simple. i sucui mine at all. Leed oblong and single. Exercise on the Myristica officination Mutines her. The nutines furthand and huserved in spent, with the mace. Class Volandria, Eder Willow of ma, Junes Allematica. E pential Character. The being fleshy, one seeded with a noting membrane, day, and whiched between the bacca on seed. I brewation, "The reed is the vintine," and the men have the mace of commerce and the shops. Eight a Shune Rije. Chap Tuandua, Pide Degoma. Jems Lecale. Species berecha. Engatism is a chaese not seen her to upe it sometimes exist in learly and other frem, the grain when obsessed is a lenge ted, curved, and blackersh, at is conseiled as a fungus substitu teel for the sean are sometime, the case in melian come the

esfat contains musech. It exists in the states to fee se . 2. con taining wisects which make their nichts in tit B. wit is but by the useets full of holes and bull or feculent matter. There is much on the attend in the oustrict or Salague in France and when chaseased and eater by the people has produce asome - brong with a unteneaus gangreme of the of hemities the hands and ceet callingood. In this country the effect, have been asenbed to it. It has been said that it is the cause is some Endenies a Shalled fever be when caten, These sever however have herealed where the aropropure had feeled. The line Surgeons during the last was on the lakes ascribed the post mentality to the retions, which it is said were made as had grain. Engot is remarkeable gon it, a people action in the when . we fry and that it should never be used a, we are as wet un - accuainted with the wesset, with which it shounds, they man be werenseis. It is never necumended in fore tune to ret lebour, and in natural ones it is not needed. De Il lac nevin; Lectione. Ithumburn a lead the tate of lead is astrongent. The day's acetite of lead or Soulards extract uses externally apro to obstrugend itis for mucies Lead wis a · sie were mounty. The anolicing recluse the mital to hunde.

by funor, Lead is eg a blush white when nearly tarteless very rout spice grave 1/25/100 to lenacity is increased in chaving it into were were, mabler ble, it can be willed into very their sheets, mett, A 512 Fah. when fused it chaptathre, it is frequently mused with copper, do abtain time lead a fooler it in Mit. acid and then about to bluse it this to be done refrectedly . Lead is converted into an orede to, up home to another in the surface is which prevents the other from hang way dired. Leaden higher me changerous que an oracle is formed. The Vier agride of lead is brewen. The Photopich is getlow the propiet wutains two atom of organ the protograle one alon , then the latter contains in all the quantity of the former. The composition of the hervide is wo load 13 orgen. The enfloretin of the heatopie soo lead . To zygen . When tead is upproses in a repol a per pellecle is formed on the top which if leten of fours again with an increase of weight, owing to the absorption of ory gon. The process by which white lead is fourned is by expressing lead to the fumes of venegar The presence depotoed in Metric and from the protogride, led lead in we to with Moune gas passed through it funs the peroxide which is tasteles. The free grave of red lead 874 son. all the oridy um early inte gleson. It gold is minged with copper a any other metal forming an allers, you can fund, it toy lead, take the

alley and four times its weight of lead feit them set a cucun but and exply heat. the lead will unte with the hose me hat, and the gold will be left. Lead peru other contains a small quantity of retver and the name, in l'ennout contain it in considerable quantity it, separation is called referring. good lead ne generally gives 80 or 70 per least pure metal the selve is refrected from lead by heat, the solve remaining when the lead is aslatilized. All the order of lead give out their ory pen readily by heat, red lead fut wite sul when and with theat gives out fune orygen gas, ondy give out Ther organ to say thing that has a greater afferenty on exegen To reduce the ordy 1/8 of charcoal is necessary Leadunites with bonos Sublim forming chlaste of lead ithursted tead is very quarble and easily watalitized. It is very dange. was to but acid, in glaced nefsels as they contain lead but muret of lead is at tained by heating muret ag lead with an Willesti. Cart. ac. ger unite, with lead farming Carbo. nate of lead or the common white lead, by expressing sheets of lead to the fumes of unegar. In Muoyale the emborate of lead is first firmed then the carb ac garage freshe int it. malenja beautiful white. I'm can test lead by Thatsing through it sulphunetted by chapen gas in hich in eley at of a darle erlan.

Januar 28. L. Porti Lectine. Plives are so modelica that Then receive reculiar sonsations, Some nave suppresed the the vinal marrow con hot voluntary motion you can deshow the ine of wiener carts by austrany partienter parts of the Sunal manaw. The great solar lever is in the abdomen and all the neives a fine abarmonal reache acrove some a the irane tes hom it forming little pleases before they onto the reisina. Wienes have mechallow matter in them as may be shown by judging in on the nuce. I'm I sway isse, that the gan in a newer generate a cartain in vinence which acts on the involuntary musely as never court to them have always fan the will Those four to the voluntary nicele Leve seldon aus. fauther a fear to be much an encargement of he newes In Mome suphreed them to her own the agree of with beam, Moneis acquire a metanatural initability, and olso become haralysed got their thucture don not in how to underfo any change. Here also influence The involuntary unseles a, a fear by the effects which certain hafrons & the mind have on the heart. Some suppose as does D. 110 The, many medicines act not by obrect a in heatin, but on the stemach, and the by rymhathetic action Throng to medium of the never their effect, are un tendet to de flerent cants of the system. Jome Physiologist suppliese that

Electricity is the cause of Reman action which howards the body and under certain encumstances is transmitted there a dishunt parts of the back as in famuotus Electricus a cish which has men large newer, a small bear and which can at followsene give out it electricity. D' Mitchilli Lecture. Vofo Cuptagarria. C. Fungi. J. Ugar - 1011 - Junger housantal, lamellated beneath including the samely of a paries which are used as stypities. J. Boletus Junger housental, procous beneath. J. Lycoperdon, puflealt, fungus roundest filled with in frut hable meaty seeds like flower escaring from the top. J. Tuber a subtenancen Junger wounded with a sold full as the Tueschoo which is also called Selecationa because a new vigetable principle has been found in it called Seleco-- time which is insoluble resisting all Chemical agency, it has been supposed by some to be a parasitical plant, that is from on the plants. Books recommended by Di il. Michaupi Flora Brush Americana Ital. in Latin. Michany Hustone des Chênes of oaks. Wal in French Whichamp the son on Forest trees I Val. in French. Pershis Flora America Septentuonalija l'ol in English. This ends Thy sidagreal Botany.

3- Vant of Medical Protorny Examples 10. Deanchia . C. Monestynia & Curilla S. Mariana, called s Dittami, an aprecable aromatic given either in infusion or decaction as a remedy in anoigia and dyspelisia. d. Pulegarder, Cenning at the semi virtues as the former. G. Varbena. S. Carolinia Sime scented vervain, manatic I. Officinalis one of the same family 7. Gratiola d. Virginia hedge hypsof a febrilage. I Licopus I Americanus, water harehound febrilige. 6. Triandia . C. Trigginia G. Lechea. S. Major of Wildenow and Cestin Canadensis of Linners the frosteveed. It that been used with great success in Mistake by Physicians and Quactor in stramon swellings and atoris, harticularly those about the mack, it is to be given feely according to it, ordert, in infusion or decoction. The wort, stein, leaves and flowers are used, a cutaplasm should also be applied to the turn and sore inade of the helant. 6. Tetrandia O. Monogyma, J. Trascia. S. Walthin the am encan Columbo, or hyramid flower, and equal, the Usiatie Colum. to in at remance and quality and can be used with equal success. y Comes. S. Florida common dogwood the harte tome, astringent and bitte used instead of Comchona Officinalis & Linea swamp dogwood is an antidate to horsonous Mant.

De Macneveni Lecture. Remeches of the Cutaneous sup ten they are considered under three Leads. 1. as an absorbing system. 2. as an explaine sysem. 3. as a sentient system The Men is are an exhaling, absorbing, sentient system unde The immediate afency of an , heat light be. 1. Us an absorbing system The lymphaties ofen through the efudences as is moved by mercural fuetions, subbing the leady with temper time to bethe mere are the weight of the today The setuity of the absorbents removes busses, franclint must ter and account on the metastasis of diseases. If the blace . der loses it action, or the gall bladde becomes obstructed, the urme and like occarried into the cuculation. The history of contagious diseases proves the retirity of the absorbents. The New according to its state must be stimulated or it, in utability to pered. Absorption is stopped to, Cloppanti - asis and to way - Mi Countribute whater a case whe nein a herson having a tense swelled with synovia lack a dise of tart emet by mistake unstack of ourmor tartan which completely defrificated the swelling. John Hunter also relates a case where there was a bubo almost fit to be otrened which was cured by vometing. An aintment of alas subject into the abolomen will are obstinate costiveness after othe remedies have facted, buchons, openen and

comphor by fuction produce their usual effects, objetalis has cered ascites in this manner ahubarb and scarmmany also prochure their usual effects by fuction, hading Tentarium is a certain remedy for prova, it was first discovered in France. Olive oil mentalises the passon of serpents, a man before the Royal Society of France Moroed himself to be butter la, a passonous sespent, the usual symptoms supervener when bey applying warm out to the wounds he was cured. actic other aparages the fram of wherematic limbs. 2. Us an exhaling system - The remedies are Deaphoreties. The stappage of the perfustion cause, many complaints. The anatomy of the expelents is as yet in heret, perspi ration is affected by temperature are be it is a secretion from The minute actives, and it is the hersheration which pro-- Lable changes the colour of the blood. Heat acts immedi alely on the exhalents causing pressuration. When the hear of the backy is above 108 Juhrenter tool water and weld of. - fusion will cause immediate persperation, for the bad, will give out it, superabundant calonic to the water, but when the body is of at natural temperature or below it the tehid affection is applicable for the cold a fusion will rechee the temperature below it, orchnay state, when the I do is very hat, cold water will cause the heat to condense

in the morning for during sleep the initability of the ab.

- sorbents increase, hence the reason why consumptive persons
whey morning sweat.

mucan 27 the In Post took up the har wagern it a dog when wome in and whenthy of the death came on, his is the mina cal no - we a rie stomach and mift, is you to be up one now worken ine voice is new much were beined owing to the recurrent news which was even the few wastern and which is not lected in be wind the area, where are no very secres ayour tous however; after a vew money you men to see who the other and not no senous symptoms entimene, even a fince of the new has been to ken out, which The worther newer like the part have the hower or regineration The 8th can on than regum when it leaves the beain, is found newn in the sheath melising the conotiol along and juguelan gives a & branches to the wings, and has been carled. The fineuma - tie never low the French. in taking we the carried we must envaile This never which his wind a the artery. This never witer w are devides note two branches which and files the stom with the merves which got the toujue are oustinet, a branch at the 5 the nan are in taste owned who pustation never, the 9th can or indust wire the sure in the museles mount the trujue.

In mutchill Lecture, C. Homanibute. C. Monogenia. K. Umanum Im oba genger acomatic, used an tomic and cummon a tone in atonie. gant, in delicione homens. I. Cardoncomum. cardomon, another species, the same gener. J. Maranta chundenacea, indian anow next, the not ducil and mace ated furnisher the recula which is nours hing an emodient. J. Cencuma, turmeno, of which there are two species the contende and longa, it is a mucilaginous somewhat bette root rometimes used for direct. The Gast Indians make greature of it, and are so fond at the colour that it workers, that they always we law there we with it before they eat it. 6. Dianohia. O. Monogymia. G. Olea. Emo lea olivi ail-Chemist say that it consists of carbon and hydrogen - this sil is - mutitive , la sative and authelimitie making of worms In M. said that they are not worms lent zooplantes, It MI says that olive oil day not check hers has tion as is commonly suffice that mounds, it, he has used it with succeeps in yellow fever by fuction, it has also been used in hapur, descention be and is preferable to chartrefour gating when hardened fores one collected in the intestines as it her onica les the hapsege and softens the scybala. Oil une tail to sal rada makes soa, a. Soda was the name formaly for heartlenn and the remed, used for that concludent has the name of the complaint itself.

